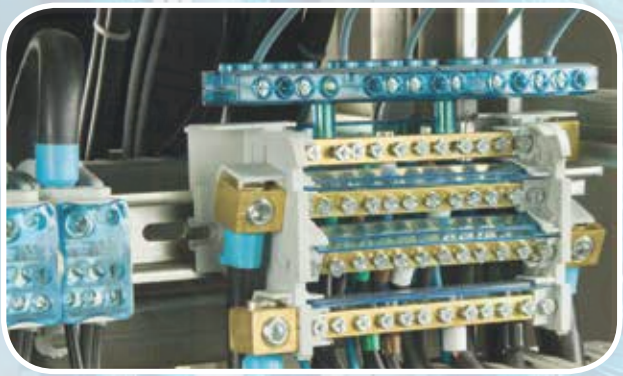
PENTAIR



Hoffman

POWER AND GROUNDING CONNECTIVITY

SPECIFIER'S GUIDE

WARNING

Pentair products shall be installed and used only as indicated in Pentair's product instruction sheets and training materials. Instruction sheets are available at pentairprotect.com/hoffman and from your Pentair customer service representative. Improper installation, misuse, misapplication or other failure to completely follow Pentair's instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

The Hoffman Power and Grounding Connectivity Specifier's Guide, Volume 2, is published by Hoffman Enclosures Inc., a Global Business Unit of Pentair Electrical ("Pentair"), 2100 Hoffman Way, Anoka, MN 55303. Pentair's policy is to continually develop and improve products. The company reserves the right to change product detail and technical specifications. We cannot accept any liability for publication errors and omissions.

Hoffman

FLEXIBLE CONDUCTORS FOR LOW-VOLTAGE INDUSTRIAL APPLICATIONS

THE ERIFLEX ADVANTAGES

- A solution provider with strong expertise in a variety of markets worldwide
- A worldwide team of experts in electrical power connections
- Experienced manufacturer and global provider
- Full range of high-quality, reliable, certified products
- Innovative and compatible product designs
- Easy to use – saves time and space
- Maximize power density

Energy

- Electrical Power
- Generators and
- Distribution
  - Transformers
  - Generators
- Renewable Energies
  - Windmills
  - Solar
  - Hydropower
- Oil, Gas and Petrochemical
  - Telecom
  - Power Stations

Transportation

- Marine
- Aircraft
- Ground Transportation
- Automotive

Industry and Buildings

- Buildings and Shopping Centers
- Air Conditioning
- Elevators, Escalators & Automatic Doors

Panelboard

- Power
- Control and Command Applications:
  - Power Switchboards
  - Distribution Panel
  - UPS
  - Power Factory Correction

Machinery

- Tunneling
- Crunchers
- Printing
- Welding
- Packaging
- Wood Working

ERIFLEX FLEXIBAR

NEXT GENERATION FLEXIBLE WIRE REPLACEMENT

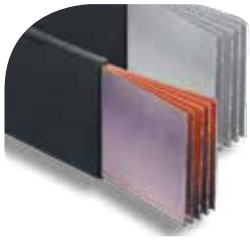
A PREFERRED CONDUCTOR

- Ideal alternative to large cables and rigid busbars
- ERIFLEX FLEXIBAR is formed with multiple layers of thin electrolytic copper, available in plain or tin plated
- ERIFLEX FLEXIBAR connections are made by punching and bolting directly through the laminates or by clamping or welding. There are no lugs to purchase, helping to eliminate faulty connection problems and making installation simpler and faster.
- The insulation is a high-resistance, self-extinguishing PVC or silicone compound
- Traceability code and designation part number on product
- Easily formed, ERIFLEX FLEXIBAR improves assembly flexibility and aesthetics of panels
- Quality: 100% production dielectric tested
- Working Temperatures -58 F to 221 F (-50 C to 105 C)
- Nominal voltage = 1000 VAC/1500 VDC (IEC and UL)
- Self-extinguishable
- High mechanical resistance
- High elongation value
- High current withstanding
- High copper quality (99.9% purity)
- High conductivity

SUPERIOR FLEXIBILITY

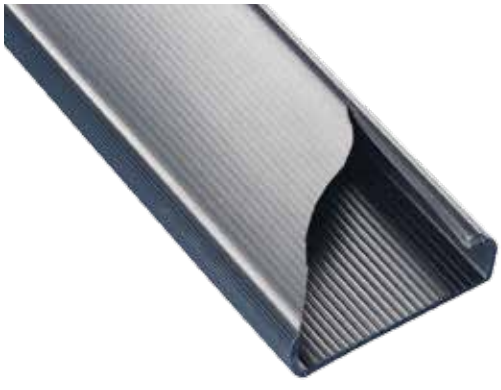
Exclusive manufacturing process offers superior flexibility:

- Copper laminates are free to slide within the insulation
- High insulation quality
- Wide variety of bending, twisting and folding possibilities



INNOVATIVE PATENTED INSULATION

ERIFLEX FLEXIBAR has added grooves on the inner surface of the insulation sleeve to improve sliding between the central conductor and the insulation material. The grooves help reduce the contact surface between the central conductor and the insulation material. This results in improved flexibility of the flexible busbar, resulting in less than 20% of the inner surface in contact with the central conductor. This patented idea makes ERIFLEX FLEXIBAR more flexible than ever, and allows users to optimize the design of their electrical power connections.

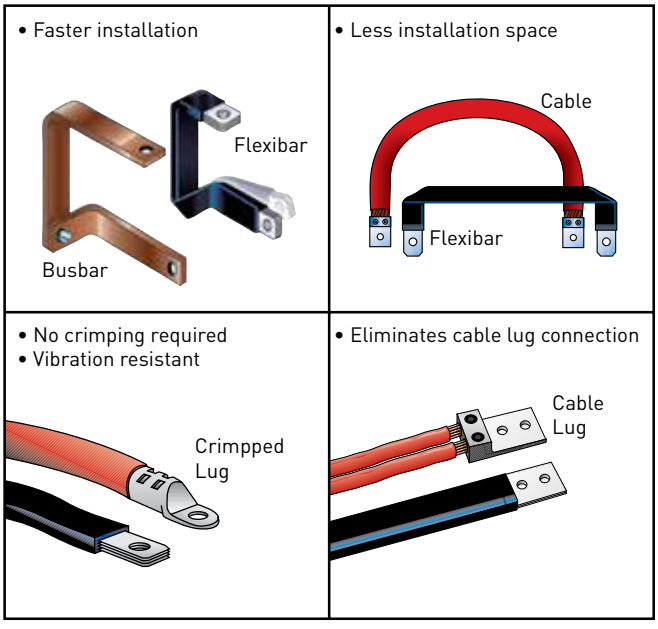


COST SAVINGS

- Eliminates cost and installation of lugs
- Reduces inventory costs

EASE OF INSTALLATION

- Easy to bend and shape even large sizes



SPACE AND WEIGHT SAVINGS

- Requires less installation space when compared to cable
- Reduces the length and number of conductors, reducing weight
- Insulation allows for closer spacing than traditional busbar designs.

IMPROVED RELIABILITY

- Connection is made directly to ERIFLEX FLEXIBAR thus eliminating the cable lug connection
- Excellent resistance to vibration
- No crimping

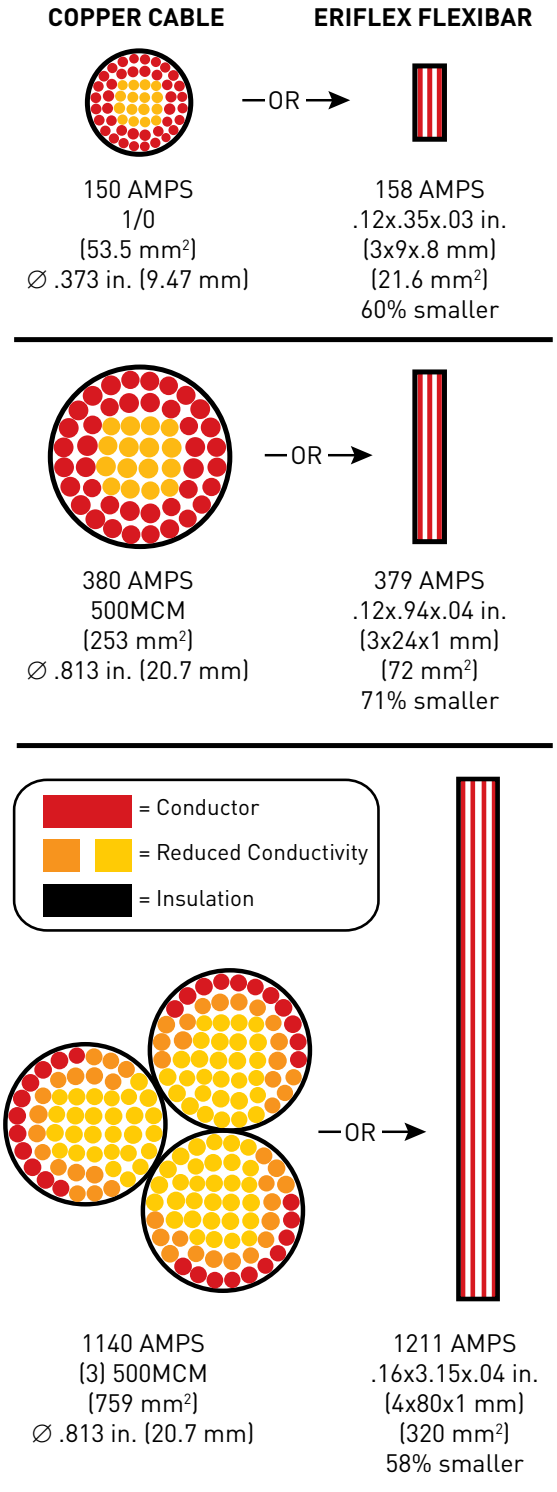
AESTHETICS

- Improves design flexibility and panel access

FLEXIBLE CONNECTIONS

- Main power to distribution equipment
- Transformer to busduct
- Busduct to electrical Cabinet

SKIN EFFECT ON AC APPLICATIONS

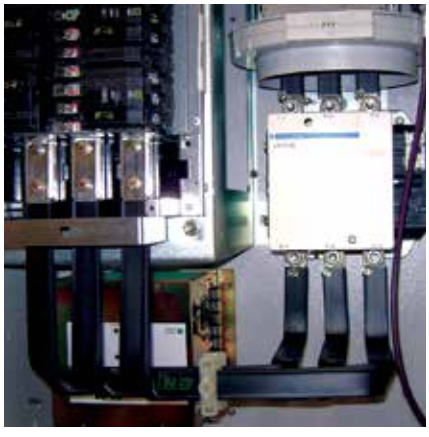


Representative to scale

ERIFLEX FLEXIBAR ampacity and cable ampacity are based on (NEC Table 310-16, 75° column) conductor temperature rise of 113 F (45 C).

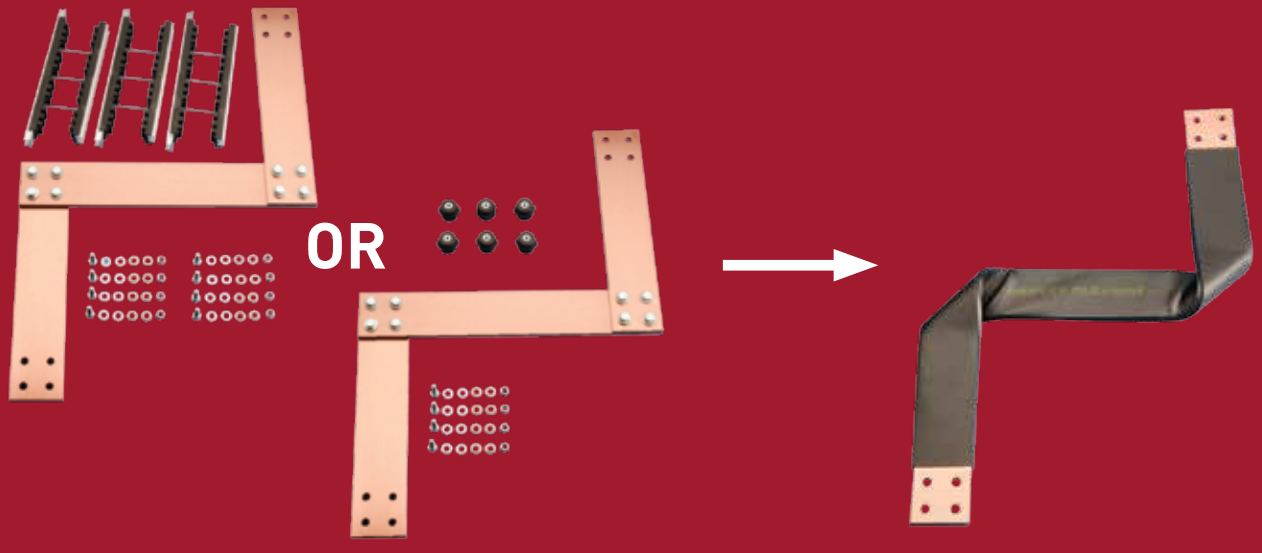
BEST FLEXIBLE BUSBAR

BUSBAR VERSUS ERIFLEX FLEXIBAR (STANDARD AND SUMMUM)



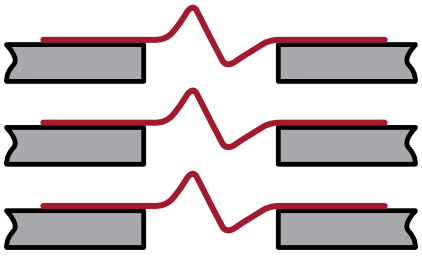
Improve your manufacturing and installation possibilities.

Significantly reduce your connections cost by using ERIFLEX FLEXIBAR and the new ERIFLEX FLEXIBAR folding and bending tools.

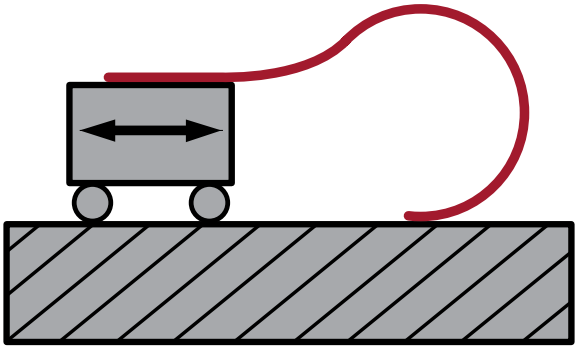


FLEXIBLE CONDUCTORS FOR MULTIPLE APPLICATIONS

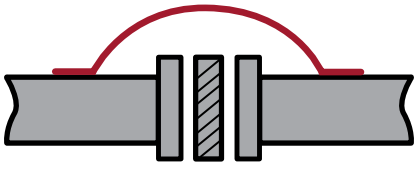
Pentair is trusted for producing high quality flexible conductors for low voltage power connections. Flexible conductors made out of braids or laminates are used in a variety of applications for current transfer or grounding connections.



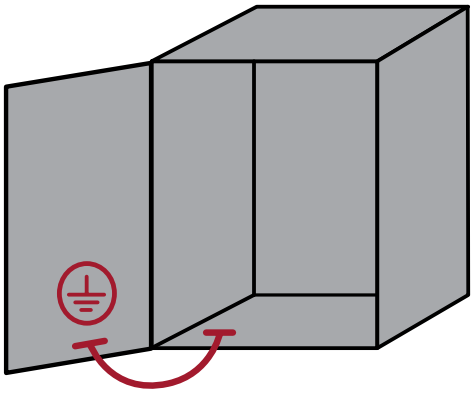
Expansion connections for busbar system



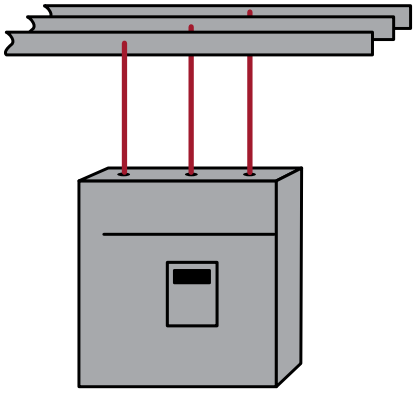
Flexible connection between fixed and moving parts



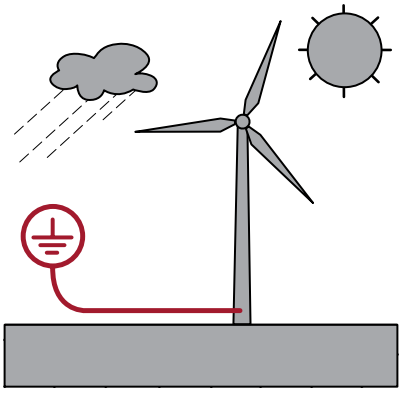
Grounding interconnection (Example: pipeline)



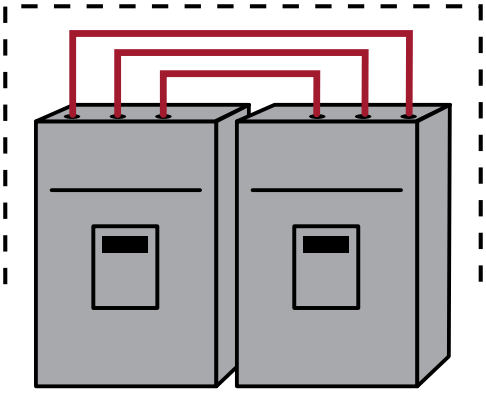
Grounding connection with excellent electromagnetic compatibility



Busbar and active electrical component connection (Example: circuit breaker, contactor) including most compact components on the market

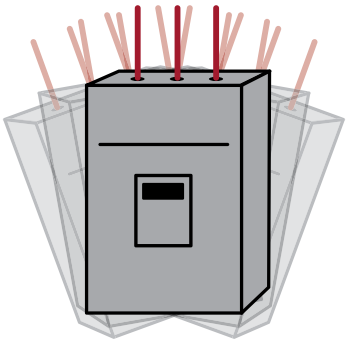


Outdoor/offshore application or difficult environment (Example: abrasion, corrosion, UV...)

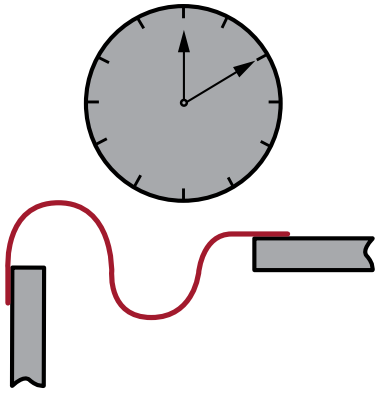


Short and compact connection between electrical components for volume reduction

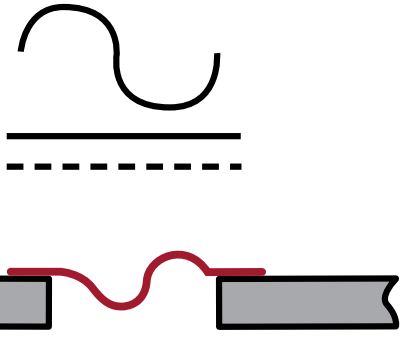
Worldwide certifications, applications and product availability



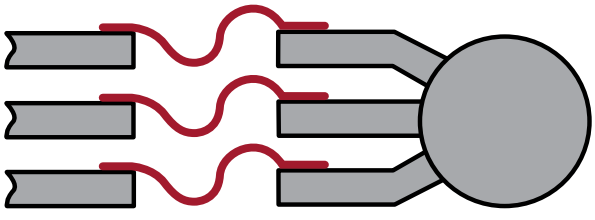
Vibration and reliability solution for connection



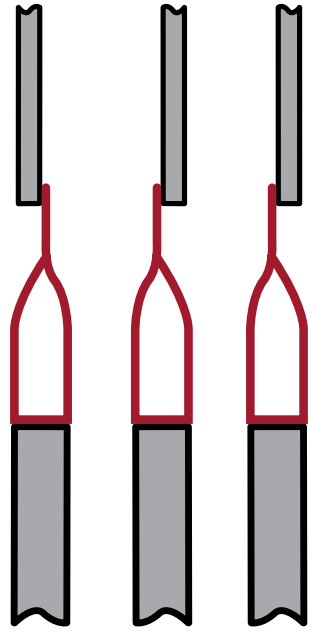
Reduce time assembly or maintenance connection



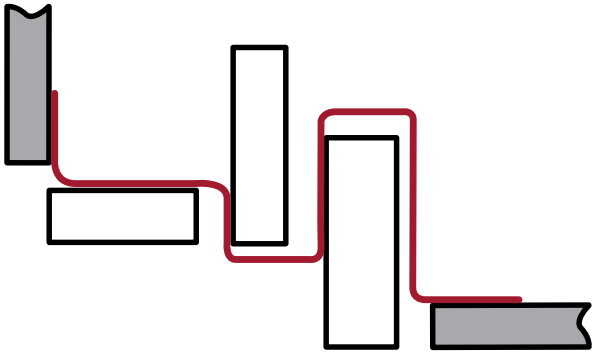
Connection for alternating current or direct current application



Motor, generator or transformer connection with busbar system



Power connection between horizontal and vertical system



Complicated and difficult connection for specific application

CERTIFICATES

ERIFLEX components have received conformity certificates from several agencies/standards.

WORLDWIDE CERTIFICATIONS

UL CSA IEC EAC

ABS VERITAS CE

AGENCY APPROVALS

TABLE OF CONTENTS

FLEXIBLE CONDUCTORS 10

Flexible Conductors Overview 12
ERIFLEX FLEXIBAR Busbars and Accessories 18
Insulated Braided Conductors 26
Earth Ground Braids 36
Power Shunts 41
Flat Braids 42
Round Braids 45
Make Your Own Braided Connections 48

POWER AND GROUND CONNECTIONS 50

Power and Ground Connections Overview 52
Copper Busbars 53
Connecting Clamps and Accessories 58
Connecting Bar 63
Grounding Parts 64
Busbar Supports 73
Insulators 108
Sleeves 113
DIN Profiles 116

BLOCKS AND TERMINALS 120

Single-Pole Distribution Blocks 122
Two- and Four-Pole Distribution Blocks 139
Compact Four-Pole Distribution Blocks 148
Power Blocks 150
Power Terminals 158
Four-Pole Distribution Blocks 172
PEN System 181
Spacers and Accessories 182

HYDRAULIC AND MANUAL TOOLS 186

Hydraulic Tools 188
Hydraulic Puncher Accessories 194
BD Crimp and Drill Tool 198
ERIFLEX FLEXIBAR Folding Tools 199
Manual Tools 201

INDEX 206

Bulletin Number Index 206
Catalog Number Index 207
Product Index 215

PENTAIR

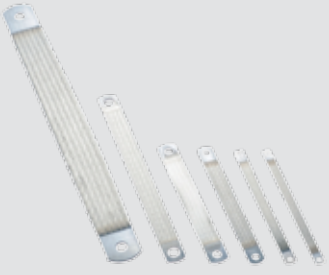
Hoffman

CHAPTER 1
FLEXIBLE CONDUCTORS

ERIFLEX FLEXIBAR INSULATED FLEXIBLE BUSBAR

Exclusive manufacturing process offers superior flexibility:

- Copper laminates are free to slide within the insulation
- High insulation quality
- Wide variety of bending, twisting and folding possibilities



MBJ GROUNDING AND BONDING BRAID, TINNED COPPER

- MBJ Grounding and Bonding Braids are a reliable and convenient grounding solution for applications that require flexibility and durability.
- The tinned copper ground braids with massivated palms come ready to install without any additional cutting, stripping, crimping or punching and do not require the addition of tin or crimped lugs.

CHAPTER CONTENTS

FLEXIBLE CONDUCTORS OVERVIEW

Flexible Conductors Product Overview 12
ERIFLEX FLEXIBAR Insulated Flexible Busbar 13
ERIFLEX FLEXIBAR Busbar Selection and Technical Characteristics 14

ERIFLEX FLEXIBAR BUSBARS AND ACCESSORIES

ERIFLEX FLEXIBAR, Tinned Copper 18
ERIFLEX FLEXIBAR SUMMUM, Halogen Free 20
UFS ERIFLEX FLEXIBAR and IBSB Support Kit 21
ERIFLEX FLEXIBAR End Cover 21
FS Spacer Clamp, Snap Close 22
FS Spacer Clamp 23
RFS Reinforced ERIFLEX FLEXIBAR Support 24

INSULATED BRAIDED CONDUCTORS

Insulated Braided Conductors for Circuit Breakers Overview 26
Insulated Braided Conductors (IBS, IBSB, IBSBR) 28
IBSB/IBSBR Insulated Braided Conductor for Circuit Breakers 30
IBS Flat Insulated Braided Conductor 32
IBS Round Insulated Braided Conductor 34
IBSHY Insulated Braided Conductor for Compact Circuit Breakers 35

EARTH GROUND BRAIDS

MBJ Grounding and Bonding Braid, Tinned Copper 36
CPI Grounding and Bonding Braid, Stainless Steel 38
BJ Round Braid With Crimped Lugs 39
CPIW Grounding and Bonding Braid, Stainless Steel for Large Bolts 40

POWER SHUNTS

PBC Braided Power Shunts 41

FLAT BRAIDS

FTCB Flat Braid in Coil, Tinned Copper 42
FRCB Flat Braid in Coil, Plain Copper 43
FTCBI Insulated Flat Braid in Coil, Tinned Copper 43
FSSB Flat Braid in Coil, Stainless Steel 44

ROUND BRAIDS

RTCB Round Braid in Coil, Tinned Copper 45
RRCB Round Braid in Coil, Plain Copper 45
RRCBI Insulated Round Braid in Coil, Plain Copper 46
RTCBI Insulated Round Braid in Coil, Tinned Copper 46
TTCE Tubular Braid in Coil, Tinned Copper 47

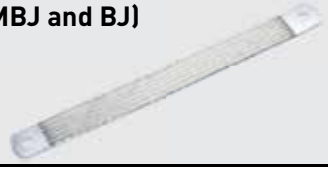
MAKE YOUR OWN BRAIDED CONNECTIONS

BD Crimp and Drill Tool 48
Braid Crimping Tool Kit 48
PB Lug for Flat Braids 49

A LARGE RANGE OF BRAIDS

- Bare or insulated
- Round, flat or tubular
- Copper or stainless steel for corrosive environments

FLEXIBLE CONDUCTORS PRODUCT OVERVIEW

Product Range	Typical Uses	Typical Market
Insulated flexible busbar (ERIFLEX FLEXIBAR) 	• Heavy-duty power interconnection • Overcome vibration and alignment problems • Circuit breaker, generator and prefabricated power network conductor • Expansion joints • Variable terminating positions • Machine connections • Movable connection from massive busbar system • Alternative to large and multiple cables • Alternative to rigid busbar	• Switchgear and control equipment • Transportation • Electrical equipment manufacturers • Power generation • Machinery manufacturer
Insulated braided conductor (IBS, IBSB and IBSBR) 	• Interconnections for low voltage power distribution units • IBSB specially designed for industrial circuit breaker connections • Overcome vibration and alignment problems • Battery connections • Earth ground connections	• Switchgear and control equipment • Transportation • Electrical equipment manufacturers • Power generation
Power shunt (PBC, PBCR and PPS) 	• Transformer or generator to busbar connection • Overcome vibration and alignment problems • Power interconnection	• Switchgear and control equipment • Power distribution • Transportation
Earth ground copper braids (MBJ and BJ) 	• Power, earth ground and equipotential connections • Electrical bonding enclosure door • EMI effect reduction application	• Switchgear and control equipment • Rail transportation • Electrical equipment manufacturers • Power generation (wind, solar) • Data center
Earth ground stainless steel braids (CPI) 	• Earth ground and equipotential connections • Superior abrasion, corrosion, chemical and UV resistance for outdoor applications • Expansion joints • Connections for lightning protection systems	• Transportation • Food and beverage industry • Power generation (wind, solar) • Chemical and oil industry • Automotive • Defense and aerospace • Civil construction • Urban projects
Flat and round copper braids in coils 	• Earth ground connections • Power interconnection • Lightning protection • Flexible links • Overcome vibration/alignment problems	• Defense and aerospace • Rail transportation • Automotive • Electronics • General electrical sector • Civil construction
Tubular copper braids in coils 	• Screening of cables from electromagnetic, electrostatic and RF interference • Mechanical support • Protection against abrasion and corrosion • EMC and EMH applications	• Defense and aerospace • Transportation • Electronics and communication • Cable harness and assembly makers • Component distributors

ERIFLEX FLEXIBAR INSULATED FLEXIBLE BUSBAR

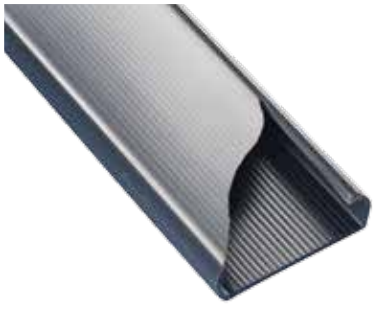
FEATURES

- ERIFLEX FLEXIBAR is formed with multiple layers of thin electrolytic copper, available in plain or tin plated
- ERIFLEX FLEXIBAR connections are made by punching directly through the laminates. There are no lugs to purchase, helping to eliminate faulty connection problems and making installation simpler and faster
- The insulation is a high-resistance, self-extinguishing PVC or silicone compound
- Traceability code and designation catalog number on product
- Easily formed, ERIFLEX FLEXIBAR improves assembly flexibility and aesthetics of panels
- Ideal alternative to large cable and rigid busbar
- Quality: 100% production dielectric tested
- Full range from .04 in.^{2} (24 mm^2) up to 1.86 in.^{2} (1200 mm^2)

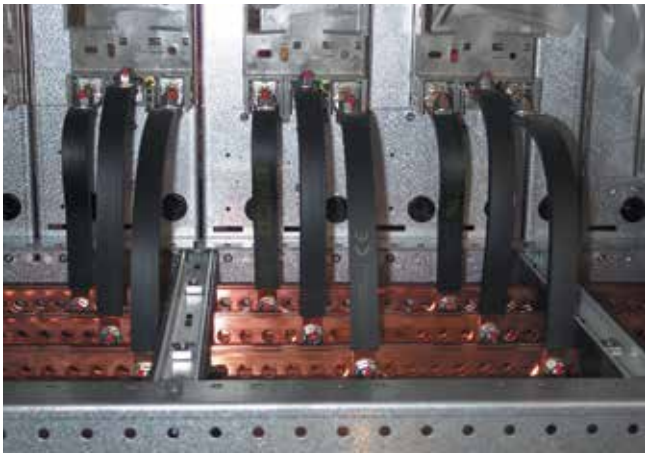
All ERIFLEX FLEXIBAR cross sections can be bent, folded or twisted with a very small bending radius for shorter and more compact power connections.

SPECIFICATIONS

- Copper laminates are free to slide within the insulation
- High insulation quality
- Wide variety of bending, twisting and folding possibilities
- Usage -13 F up to 221 F (-25 C up to 105 C)
- Nominal voltage = 1000 VAC/1500 VDC
- Self-extinguishable
- High mechanical resistance
- High elongation value
- High current withstanding
- High copper quality (99.9% purity)
- High conductivity



ERIFLEX FLEXIBAR BUSBAR SELECTION AND TECHNICAL CHARACTERISTICS



SPECIFICATIONS

Temperature rise of conductor = T2 - T1 = ΔT (C)
Ex: For a current of 650 A, with: T1 = 45 C - T2 = 90 C

1) ΔT = 90-45=45 C
2) In the 45 C column, find the closest current value to 650 A.
   ERIFLEX FLEXIBAR 8x24x1 - FLEX3MTC8X24X1
   192mm² - 663 A
3) Select ERIFLEX FLEXIBAR according to the terminal width of the equipment being connected.

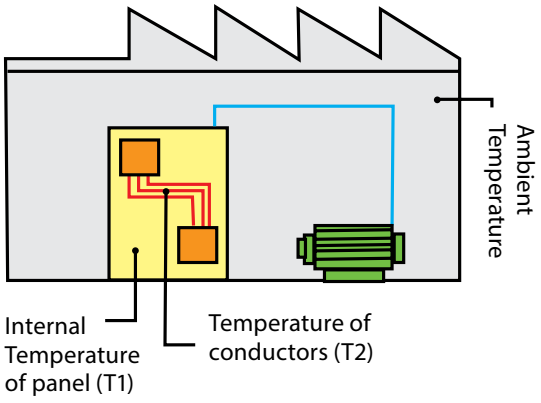
ERIFLEX FLEXIBAR in parallel

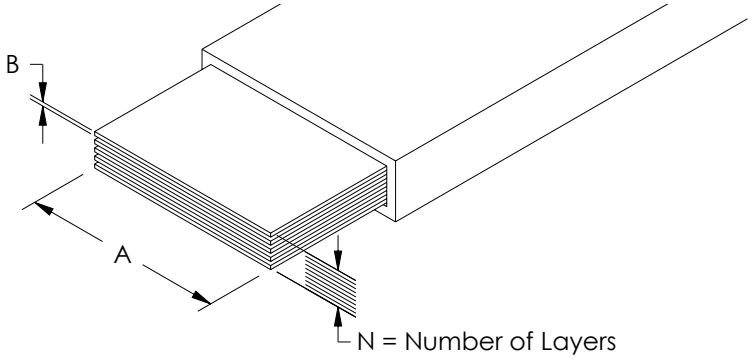
When using 2 or 3 ERIFLEX FLEXIBAR on edge in parallel for the same phase, use the coefficient:

Ex: 8 x 24 x 1 - ΔT° = 45 C: 663 A

2 bars in parallel > 663 A x 1.72 = 1140 A
3 bars in parallel > 663 A x 2.25 = 1491 A

Selection of ERIFLEX FLEXIBAR Busbar according to the internal temperature of the panel.





ERIFLEX FLEXIBAR UL Maximum Ampacity, Tinned Copper

Typical Application Current Rating	ERIFLEX FLEXIBAR Composition			ΔT 20 C (A)	ΔT 30 C (A) "NEC 310-16 60 C"	ΔT 35 C (A)	ΔT 40 C (A)	ΔT 45 C (A) "NEC 310-16 75 C"	ΔT 50 C (A)	ΔT 60 C (A) "NEC 310-16 90 C"	ΔT 65 C (A)	ΔT 70 C (A)
	N	A	B									
125 A	3	9	0.8	101	126	138	148	158	167	185	193	201
	3	13	0.5	102	128	139	150	160	169	187	195	203
	2	15.5	0.8	121	152	166	178	190	201	222	232	241
	6	13	0.5	150	188	205	221	235	249	275	287	299
	6	9	0.8	153	192	210	226	241	255	281	293	305
250 A	2	20	1	168	211	229	247	263	279	307	321	334
	4	15.5	0.8	178	223	243	262	279	295	326	340	354
	2	24	1	195	244	266	286	305	323	357	373	388
	3	20	1	210	263	286	308	328	347	383	400	416
	6	15.5	0.8	225	282	308	331	353	374	412	430	448
	3	24	1	243	304	331	356	379	402	443	463	482
	4	20	1	246	308	336	361	385	408	450	470	489
	2	32	1	248	311	338	364	388	411	454	474	493
400 A	5	20	1	280	351	382	411	438	464	512	535	556
	4	24	1	285	356	388	418	445	472	520	543	565
	3	32	1	308	385	419	451	481	510	562	587	611
	6	20	1	311	390	424	457	487	516	569	594	618
	5	24	1	322	403	439	472	504	534	589	615	640
	6	24	1	357	448	487	524	559	592	653	682	710
	4	32	1	359	449	489	526	561	594	655	684	712
	3	40	1	371	464	505	544	580	614	677	707	736
	5	32	1	405	507	552	594	633	671	740	773	804
	8	24	1	424	531	578	622	663	702	775	809	841
	4	40	1	432	541	589	633	675	715	789	824	857
	6	32	1	448	561	611	657	701	742	819	855	889
	3	50	1	449	562	612	658	702	743	820	856	891
	10	24	1	484	606	660	710	757	802	885	924	961
	5	40	1	486	608	662	712	759	804	887	926	964
800 A	4	50	1	521	651	709	763	813	861	950	992	1032
	8	32	1	525	657	715	770	821	869	959	1001	1042
	6	40	1	535	669	728	784	835	885	976	1019	1061
	3	63	1	549	687	747	804	857	907	1002	1046	1088
	5	50	1	583	730	794	855	911	965	1065	1112	1157
	6	45	1	588	736	801	862	919	973	1074	1121	1167
	10	32	1	595	745	811	873	931	986	1088	1136	1182
	8	40	1	628	786	855	920	981	1039	1146	1197	1246
	4	63	1	633	792	861	927	988	1046	1155	1205	1255
	6	50	1	641	802	873	940	1002	1061	1171	1222	1272
	10	40	1	702	879	956	1029	1097	1162	1282	1338	1393
	5	63	1	706	883	961	1033	1102	1167	1288	1344	1399
	8	50	1	741	927	1009	1085	1157	1226	1352	1412	1469
1200 A	6	63	1	772	966	1051	1130	1205	1276	1408	1470	1530
	4	80	1	776	970	1056	1136	1211	1282	1415	1477	1538
	10	50	1	831	1040	1132	1217	1298	1375	1517	1584	1648
	5	80	1	861	1077	1172	1260	1344	1423	1570	1640	1706
	8	63	1	886	1108	1205	1297	1383	1464	1616	1687	1756
	6	80	1	938	1172	1275	1372	1463	1549	1709	1785	1858
	10	63	1	985	1232	1341	1442	1538	1628	1797	1876	1953
1600 A	5	100	1	1041	1301	1416	1523	1624	1719	1898	1982	2062
	8	80	1	1073	1341	1460	1570	1674	1773	1956	2043	2126
	6	100	1	1132	1414	1539	1655	1765	1869	2062	2153	2241
	10	80	1	1187	1484	1614	1736	1851	1960	2164	2259	2351
	8	100	1	1279	1598	1739	1870	1994	2111	2330	2433	2532
2000 A	10	100	1	1413	1765	1921	2066	2203	2332	2574	2688	2797
	12	100	1	1537	1920	2089	2247	2396	2537	2800	2924	3043

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

ΔT = Temperature of conductors – Internal temperature of panel.

1

HOW TO ACHIEVE A GOOD ELECTRICAL CONNECTION

WHAT SIZE IS YOUR LANDING POINT?

- ERIFLEX FLEXIBAR is available from 0.35 inches (9 mm) wide to 4.00 inches (100 mm) wide

1 inch Contractor Pad

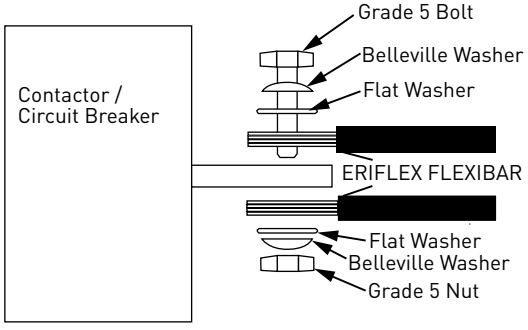
4 inch Busbar

WHAT IS THE MAXIMUM AMPACITY THE CONDUCTOR WILL SEE?

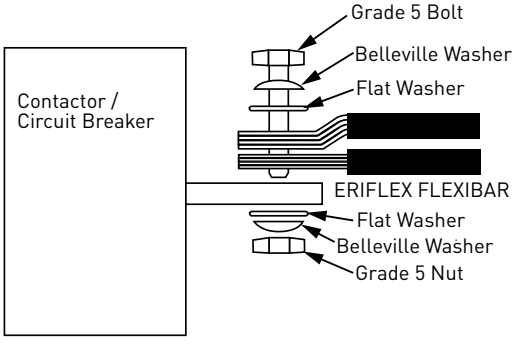
- A single piece of ERIFLEX FLEXIBAR can carry from 125 amps to 2800 amps at 140 F (60 C)
- Ampacity can be increased by placing the ERIFLEX FLEXIBAR in parallel

TWO WAYS TO CONNECT IN PARALLEL

OPTION 1:



OPTION 2:



WHAT IS THE MAXIMUM AMBIENT TEMPERATURE?

- Maximum device operating temperature - maximum ambient temperature = maximum temperature rise of ERIFLEX FLEXIBAR

WHAT ARE YOU CONNECTING?

Passive Element

- Busbar
- Transformer

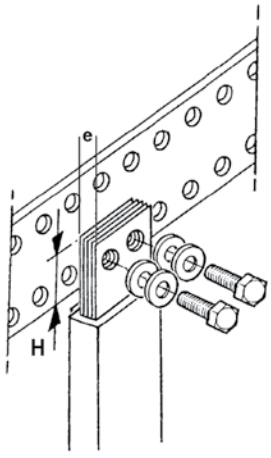
Active Element

- Circuit Breaker
- Contractor

THE QUALITY OF AN ELECTRICAL CONTACT IS DETERMINED BY:

1. **Contact Surface Conditions**
   The surface has to be flat but not polished. Another important point: cleaning the surfaces before connection. They must be oxide and grease free.

2. **Contact Surface(s) - Overlap**
   The overlap (H) should not be less than 5 times the thickness (e) of the thinnest conductors.



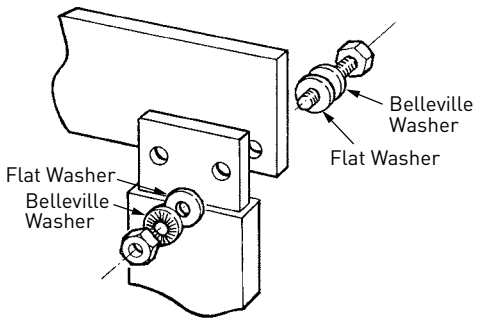
OVERLAP

(Recommended for Punched Bars)

Catalog Number	Description	e in. (mm)	H in. (mm)	Bolt	
				Qty.	Size
FLEX3MTC2X20X1	ERIFLEX FLEXIBAR 3MTC 2x20x1	.08 (2)	1 (25)	1	1/4-20
FLEX3MTC3X20X1	ERIFLEX FLEXIBAR 3MTC 3x20x1	.12 (3)	1 (25)	1	1/4-20
FLEX3MTC4X20X1	ERIFLEX FLEXIBAR 3MTC 4x20x1	.16 (4)	1 (25)	1	5/16-16
FLEX3MTC5X20X1	ERIFLEX FLEXIBAR 3MTC 5x20x1	.20 (5)	1 (25)	1	5/16-16
FLEX3MTC6X20X1	ERIFLEX FLEXIBAR 3MTC 6x20x1	.24 (6)	1.2 (30)	1	7/16-14
FLEX3MTC2X24X1	ERIFLEX FLEXIBAR 3MTC 2x24x1	.08 (2)	1 (25)	1	5/16-16
FLEX3MTC3X24X1	ERIFLEX FLEXIBAR 3MTC 3x24x1	.12 (3)	1 (25)	1	5/16-16
FLEX3MTC4X24X1	ERIFLEX FLEXIBAR 3MTC 4x24x1	.16 (4)	1 (25)	1	5/16-16
FLEX3MTC5X24X1	ERIFLEX FLEXIBAR 3MTC 5x24x1	.20 (5)	1 (25)	1	7/16-14
FLEX3MTC6X24X1	ERIFLEX FLEXIBAR 3MTC 6x24x1	.24 (6)	1.2 (30)	1	7/16-14
FLEX3MTC8X24X1	ERIFLEX FLEXIBAR 3MTC 8x24x1	.31 (8)	1.6 (40)	1	1/2-13
FLEX3MTC10X24X1	ERIFLEX FLEXIBAR 3MTC 10x24x1	.39 (10)	2 (50)	2	7/16-14
FLEX3MTC2X32X1	ERIFLEX FLEXIBAR 3MTC 2x32x1	.08 (2)	1 (25)	1	7/16-14
FLEX3MTC3X32X1	ERIFLEX FLEXIBAR 3MTC 3x32x1	.12 (3)	1 (25)	1	7/16-14
FLEX3MTC4X32X1	ERIFLEX FLEXIBAR 3MTC 4x32x1	.16 (4)	1 (25)	1	7/16-14
FLEX3MTC5X32X1	ERIFLEX FLEXIBAR 3MTC 5x32x1	.20 (5)	1 (25)	1	7/16-14
FLEX3MTC6X32X1	ERIFLEX FLEXIBAR 3MTC 6x32x1	.24 (6)	1.2 (30)	1	1/2-13
FLEX3MTC8X32X1	ERIFLEX FLEXIBAR 3MTC 8x32x1	.31 (8)	1.6 (40)	1	1/2-13
FLEX3MTC10X32X1	ERIFLEX FLEXIBAR 3MTC 10x32x1	.39 (10)	2 (50)	2	7/16-14
FLEX3MTC3X40X1	ERIFLEX FLEXIBAR 3MTC 3x40x1	.12 (3)	1 (25)	1	1/2-13
FLEX3MTC4X40X1	ERIFLEX FLEXIBAR 3MTC 4x40x1	.16 (4)	1 (25)	1	1/2-13
FLEX3MTC5X40X1	ERIFLEX FLEXIBAR 3MTC 5x40x1	.20 (5)	1.2 (30)	1	1/2-13
FLEX3MTC6X40X1	ERIFLEX FLEXIBAR 3MTC 6x40x1	.24 (6)	1.2 (30)	1	1/2-13
FLEX3MTC8X40X1	ERIFLEX FLEXIBAR 3MTC 8x40x1	.31 (8)	1.6 (40)	2	7/16-14
FLEX3MTC10X40X1	ERIFLEX FLEXIBAR 3MTC 10x40x1	.39 (10)	2 (50)	2	1/2-13
FLEX3MTC6X45X1	ERIFLEX FLEXIBAR 3MTC 6x45x1	.24 (6)	1.2 (30)	1	1/2-13
FLEX3MTC3X50X1	ERIFLEX FLEXIBAR 3MTC 3x50x1	.12 (3)	1 (25)	2	5/16-16
FLEX3MTC4X50X1	ERIFLEX FLEXIBAR 3MTC 4x50x1	.16 (4)	1 (25)	2	5/16-16
FLEX3MTC5X50X1	ERIFLEX FLEXIBAR 3MTC 5x50x1	.20 (5)	1 (25)	2	7/16-14
FLEX3MTC6X50X1	ERIFLEX FLEXIBAR 3MTC 6x50x1	.24 (6)	1.2 (30)	2	7/16-14
FLEX3MTC8X50X1	ERIFLEX FLEXIBAR 3MTC 8x50x1	.31 (8)	1.6 (40)	2	1/2-13
FLEX3MTC10X50X1	ERIFLEX FLEXIBAR 3MTC 10x50x1	.39 (10)	2 (50)	2	1/2-13
FLEX3MTC3X63X1	ERIFLEX FLEXIBAR 3MTC 3x63x1	.12 (3)	1 (25)	2	7/16-14
FLEX3MTC4X63X1	ERIFLEX FLEXIBAR 3MTC 4x63x1	.16 (4)	1 (25)	2	7/16-14
FLEX3MTC5X63X1	ERIFLEX FLEXIBAR 3MTC 5x63x1	.20 (5)	1 (25)	2	7/16-14
FLEX3MTC6X63X1	ERIFLEX FLEXIBAR 3MTC 6x63x1	.24 (6)	1.2 (30)	2	1/2-13
FLEX3MTC8X63X1	ERIFLEX FLEXIBAR 3MTC 8x63x1	.31 (8)	1.6 (40)	2	1/2-13
FLEX3MTC10X63X1	ERIFLEX FLEXIBAR 3MTC 10x63x1	.39 (10)	2 (50)	3	1/2-13
FLEX3MTC4X80X1	ERIFLEX FLEXIBAR 3MTC 4x80x1	.16 (4)	1 (25)	3	5/16-16
FLEX3MTC5X80X1	ERIFLEX FLEXIBAR 3MTC 5x80x1	.20 (5)	1 (25)	3	7/16-14
FLEX3MTC6X80X1	ERIFLEX FLEXIBAR 3MTC 6x80x1	.24 (6)	1.2 (30)	3	7/16-14
FLEX3MTC8X80X1	ERIFLEX FLEXIBAR 3MTC 8x80x1	.31 (8)	1.6 (40)	3	1/2-13
FLEX3MTC10X80X1	ERIFLEX FLEXIBAR 3MTC 10x80x1	.39 (10)	2 (50)	3	1/2-13
FLEX3MTC5X100X1	ERIFLEX FLEXIBAR 3MTC 5x100x1	.20 (5)	1 (25)	3	5/16-16
FLEX3MTC6X100X1	ERIFLEX FLEXIBAR 3MTC 6x100x1	.24 (6)	1.2 (30)	4	7/16-14
FLEX3MTC8X100X1	ERIFLEX FLEXIBAR 3MTC 8x100x1	.31 (8)	1.6 (40)	4	1/2-13
FLEX3MTC10X100	ERIFLEX FLEXIBAR 3MTC 10x100x1	.39 (10)	2 (50)	4	1/2-13
FLEX3MTC12X100	ERIFLEX FLEXIBAR 3MTC 12x100x1	.47 (12)	2.4 (60)	5	1/2-13

3. Clamping Torque Calculation

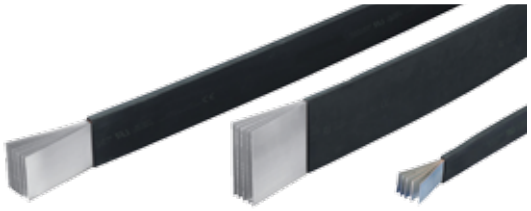
With a class coated, bichromated bolt (SAE Grade 5), use "Belleville and Flat" washers tightened with a torque wrench (without lubrication).



Imperial							
Bolt Size	1/4-20	5/16-18	3/8-16	7/16-14	1/2-13	9/16-12	5/8-11
Torque (ft.-lb.)	9	18	31	50	75	110	150
Metric							
Bolt Size	M6	M8		M10	M12	M14	M16
Torque (Nm)	13	30		60	110	174	274

- SAE Grade 5 hardware can be used except where otherwise designated by the designer of the pieces installed
- Belleville and Flat washers provide resistance to vibration
- Slotted holes are acceptable in applications where additional forming is anticipated during installation

ERIFLEX FLEXIBAR, TINNED COPPER



- No lugs needed, reducing installation time and improving resistance to vibration
- Weight savings and material savings compared to wire alternatives
- Reduces total installation cost
- Traceability codes and designation part numbers printed on insulation
- 100% production dielectric tested
- UL 758 Appliance Wiring Material requirements for Cold Bend testing at -40 F and -58 F (-40 C and -50 C)
- RoHS compliant

INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470
UL 758 Component Recognized; File No. E316390

ABS; Cert No. 08-HS365878-2-PDA
Bureau Veritas; Cert No. 02859 BV
CE

CSA, C22.2 No. 0 & C22.2 No. 210; File No. 90005
EAC; Cert No. 0234251
Complies With: IEC 60439.1; IEC 61439.1; IEC 61439.1 Class II

FEATURES

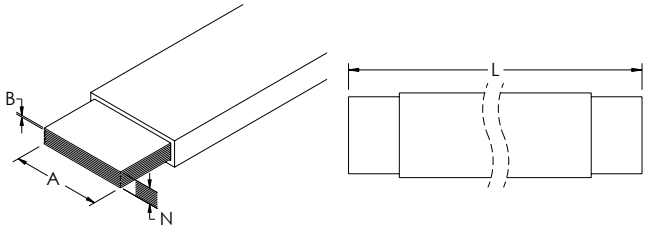
- Thin layers of tinned electrolytic copper formed into a stack
- Insulated by high-resistance, self-extinguishing PVC with less than 20% contact with conductor for high flexibility
- Easily bent, folded and twisted, improving assembly flexibility, shortening connections and decreasing footprint
- Dramatically smaller and more flexible than comparable cable based on ampacity
- Better power density than cable with lower skin effect ratio
- Connections made by punching and bolting directly through the copper laminates, clamping onto the end of the ERIFLEX ERIFLEX, or welding using CADWELD

SPECIFICATIONS

- Material: Copper, Polyvinyl Chloride
- Dielectric Strength: 20 kV/mm
- Flammability Rating: UL 94V-0
- Insulation Elongation: 370 %
- Insulation Thickness: 0.08 in.
- Nominal Voltage, UL/IEC: 1,000 VAC, 1,500 VDC
- Operating Temperature: -58 to 221 F (-50 to 105 C)
- Forming Temperature: 32 – 131 F (0 - 55 C)

FINISH

Finish: Tinned



BULLETIN: ERI3

Typical Application Current Rating: 125 A

Catalog Number	L (Ft.)	ΔT 30 K (A)	ΔT 45 K (A)	ΔT 60 K (A)	No. Layers N	A (in.)	A (mm)	B (in.)	B (mm)	Cross Section (kcmil)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEX2MTC3X9X08	6.56	126	158	185	3	.35	9	.03	.8	42.63	1.72	2.25
FLEX2MTC3X13	6.56	128	160	187	3	.51	13	.02	.5	38.48	1.72	2.25
FLEX2MTC2X155	6.56	152	190	222	2	.61	15	.03	.8	48.94	1.72	2.25
FLEX2MTC6X13	6.56	188	235	275	6	.51	13	.02	.5	77.00	1.72	2.25
FLEX2MTC6X9X08	6.56	192	241	281	6	.35	9	0.03	.8	85.26	1.72	2.25

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

Δ T = Temperature of conductors – Internal temperature of panel.

Typical Application Current Rating: 250 A

Catalog Number	L (Ft.)	ΔT 30 K (A)	ΔT 45 K (A)	Δ.T 60 K (A)	No. Layers N	A (in.)	A (mm)	B (in.)	B (mm)	Cross Section (kcmil)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEX2MTC4X16	6.56	223	279	326	4	.61	15	0.03	.8	97.89	1.72	2.25
FLEX2MTC6X16	6.56	282	353	412	6	.61	15	0.03	.8	146.83	1.72	2.25
FLEX3MTC2X20X1	9.84	211	263	307	2	.79	20	0.04	1	78.94	1.72	2.25
FLEX3MTC2X24X1	9.84	244	305	357	2	.95	24	0.04	1	94.73	1.72	2.25
FLEX3MTC3X20X1	9.84	263	328	383	3	.79	20	0.04	1	118.41	1.72	2.25
FLEX3MTC3X24X1	9.84	304	379	443	3	.95	24	0.04	1	142.10	1.72	2.25
FLEX3MTC4X20X1	9.84	308	385	450	4	.79	20	0.04	1	157.88	1.72	2.25
FLEX3MTC2X32X1	9.84	311	385	454	2	1.26	32	0.04	1	126.30	1.72	2.25

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

ΔT = Temperature of conductors – Internal temperature of panel.

Typical Application Current Rating: 400 A

Catalog Number	L (Ft.)	ΔT 30 K (A)	ΔT 45 K (A)	ΔT 60 K (A)	No. Layers N	A (in.)	A (mm)	B (in.)	B (mm)	Cross Section (kcmil)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEX3MTC5X20X1	9.84	351	438	512	5	.79	20	.04	1	197.35	1.72	2.25
FLEX3MTC4X24X1	9.84	356	445	520	4	.95	24	.04	1	189.46	1.72	2.25
FLEX3MTC3X32X1	9.84	385	481	562	3	1.26	32	.04	1	189.46	1.72	2.25
FLEX3MTC6X20X1	9.84	390	487	569	6	.79	20	.04	1	236.80	1.72	2.25
FLEX3MTC5X24X1	9.84	403	504	589	5	.95	24	.04	1	236.80	1.72	2.25
FLEX3MTC6X24X1	9.84	448	559	653	6	.95	24	.04	1	284.19	1.72	2.25
FLEX3MTC4X32X1	9.84	449	561	665	4	1.26	32	.04	1	252.60	1.72	2.25
FLEX3MTC3X40X1	9.84	464	580	677	3	1.58	40	.04	1	236.80	1.72	2.25
FLEX3MTC5X32X1	9.84	507	633	740	5	1.26	32	.04	1	315.70	1.72	2.25
FLEX3MTC8X24X1	9.84	531	663	775	8	.95	24	.04	1	378.90	1.72	2.25
FLEX3MTC4X40X1	9.84	541	675	789	4	1.58	40	.04	1	315.70	1.72	2.25
FLEX3MTC6X32X1	9.84	561	701	819	6	1.26	32	.04	1	378.90	1.72	2.25
FLEX3MTC3X50X1	9.84	562	702	820	3	1.97	50	.04	1	296.03	1.72	2.25
FLEX3MTC10X24X1	9.84	606	757	885	10	.95	24	.04	1	473.65	1.72	2.25
FLEX3MTC5X40X1	9.84	608	759	887	5	1.58	40	.04	1	394.70	1.72	2.25

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

ΔT = Temperature of conductors – Internal temperature of panel.

Typical Application Current Rating: 800 A

Catalog Number	L (Ft.)	ΔT 30 K (A)	ΔT 45 K (A)	ΔT 60 K (A)	No. Layers N	A (in.)	A (mm)	B (in.)	B (mm)	Cross Section (kcmil)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEX3MTC4X50X1	9.84	651	813	950	4	1.97	50	.04	1	394.70	1.72	2.25
FLEX3MTC8X32X1	9.84	657	821	959	8	1.26	32	.04	1	505.22	1.72	2.25
FLEX3MTC6X40X1	9.84	669	835	976	6	1.58	40	.04	1	473.65	1.72	2.25
FLEX3MTC3X63X1	9.84	687	857	1,002	3	2.48	63	.04	1	373.00	1.65	2.12
FLEX3MTC5X50X1	9.84	730	911	1,065	5	1.97	50	.04	1	493.38	1.72	2.25
FLEX3MTC6X45X1	9.84	736	919	1,074	6	1.77	45	.04	1	532.85	1.72	2.25
FLEX3MTC10X32X1	9.84	745	931	1,088	10	1.26	32	.04	1	631.50	1.72	2.25
FLEX3MTC8X40X1	9.84	786	981	1,146	8	1.58	40	.04	1	631.50	1.72	2.25
FLEX3MTC4X63X1	9.84	792	988	1,155	4	2.48	63	.04	1	497.33	1.65	2.12
FLEX3MTC6X50X1	9.84	802	1,002	1,171	6	1.97	50	.04	1	592.06	1.72	2.25
FLEX3MTC10X40X1	9.84	879	1,097	1,282	10	1.58	40	.04	1	789.41	1.72	2.25
FLEX3MTC5X63X1	9.84	883	1,102	1,288	5	2.48	63	.04	1	621.66	1.65	2.12
FLEX3MTC8X50X1	9.84	927	1,157	1,352	8	1.97	50	.04	1	789.41	1.72	2.25

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

ΔT = Temperature of conductors – Internal temperature of panel.

Typical Application Current Rating: 1,200 A

Catalog Number	L (Ft.)	ΔT 30 K (A)	ΔT 45 K (A)	ΔT 60 K (A)	No. Layers N	A (in.)	A (mm)	B (in.)	B (mm)	Cross Section (kcmil)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEX3MTC6X63X1	9.84	966	1,205	1,408	6	2.48	63	.04	1	746.00	1.65	2.12
FLEX3MTC4X80X1	9.84	970	1,211	1,145	4	3.15	80	.04	1	631.50	1.65	2.12
FLEX3MTC10X50X1	9.84	1,040	1,298	1,517	10	1.97	50	.04	1	986.76	1.72	2.25
FLEX3MTC5X80X1	9.84	1,077	1,344	1,570	5	3.15	80	.04	1	789.41	1.65	2.12
FLEX3MTC8X63X1	9.84	1,108	1,383	1,616	8	2.48	63	.04	1	994.66	1.65	2.12
FLEX3MTC6X80X1	9.84	1,172	1,463	1,709	6	3.15	80	.04	1	947.30	1.65	2.12
FLEX3MTC10X63X1	9.84	1,232	1,538	1,797	10	2.48	63	.04	1	1,243.30	1.65	2.12

Typical Application Current Rating: 1,600 A

Catalog Number	L (Ft.)	ΔT 30 K (A)	ΔT 45 K (A)	ΔT 60 K (A)	No. Layers N	A (in.)	A (mm)	B (in.)	B (mm)	Cross Section (kcmil)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEX3MTC5X100X1	9.84	1,301	1,624	1,898	5	3.94	100	.04	1	986.76	1.6	2.02
FLEX3MTC8X80X1	9.84	1,341	1,674	1,956	8	3.15	80	.04	1	1,263.06	1.65	2.12
FLEX3MTC6X100X1	9.84	1,414	1,765	2,062	6	3.94	100	.04	1	1,184.12	1.6	2.02
FLEX3MTC10X80X1	9.84	1,484	1,851	2,164	10	3.15	80	.04	1	1,578.80	1.65	2.12
FLEX3MTC8X100X1	9.84	1,598	1,994	2,330	8	3.94	100	.04	1	1,578.80	1.6	2.02

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

Δ T = Temperature of conductors – Internal temperature of panel.

Typical Application Current Rating: 2,000 A

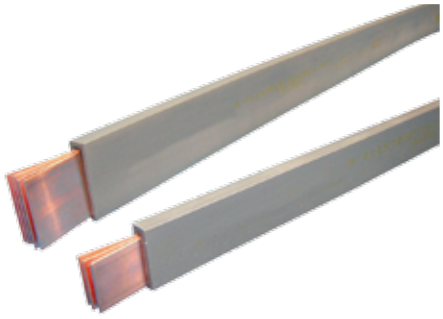
Catalog Number	L (Ft.)	ΔT 30 K (A)	ΔT 45 K (A)	ΔT 60 K (A)	No. Layers N	A (in.)	A (mm)	B (in.)	B (mm)	Cross Section (kcmil)	2 Bar Current Coefficient	3 Bar Current Coefficient
FLEX3MTC10X100	9.84	1,765	2,203	2,574	10	3.94	100	.04	1	1,973.52	1.6	2.02
FLEX3MTC12X100	9.84	1,920	2,396	2,800	12	3.94	100	.04	1	2,368.23	1.6	2.02

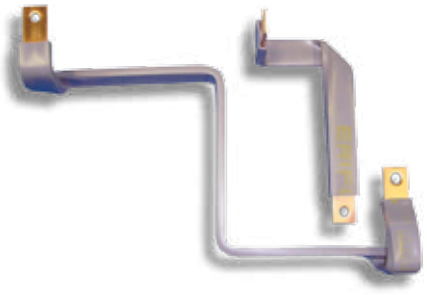
ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

ΔT = Temperature of conductors – Internal temperature of panel.

1

ERIFLEX FLEXIBAR SUMMUM, HALOGEN FREE





INDUSTRY STANDARDS

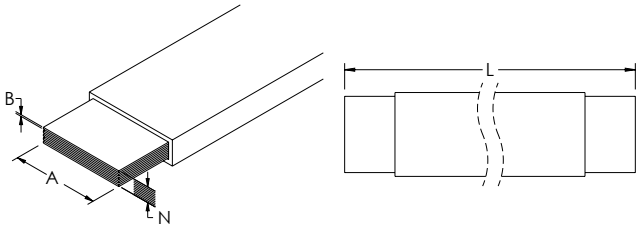
ABS; Cert No. 08-HS365878-2-PDA
CE
EAC; Cert No. 0234251
Complies with IEC 60439.1; IEC 61439-1

FEATURES

- Halogen free solution for applications requiring a low smoke solution
- Thin layers of bare electrolytic copper formed into a stack
- Silver or tinned ERIFLEX FLEXIBAR SUMMUM available on request
- Insulated by halogen-free, high-temperature silicone
- Easily bent, folded and twisted, improving assembly flexibility, shortening connections and decreasing footprint
- Dramatically smaller and more flexible than comparable cable based on ampacity
- Better power density than cable with lower skin effect ratio
- Connections made by punching and bolting directly through the copper laminates, clamping onto the end of the ERIFLEX FLEXIBAR, or welding using CADWELD
- No lugs needed, reducing installation time and improving resistance to vibration
- Weight savings and material savings compared to wire alternatives
- Reduces total installation cost
- Very high resistance to UV and ozone
- Limiting oxygen index (LOI)
- Traceability codes and designation part numbers printed on insulation
- RoHS compliant

SPECIFICATIONS

- Material: Copper; Silicone
- Dielectric Strength: 20 kV/mm
- Flammability Rating: UL 94V-0
- Insulation Elongation: 400 %
- Insulation Thickness: 0.08 in.
- Nominal Voltage, IEC: 1,000 VAC; 1,500 VDC
- Working Temperature: -58 to 536 F (-50 to 280 C)



BULLETIN: ERI3

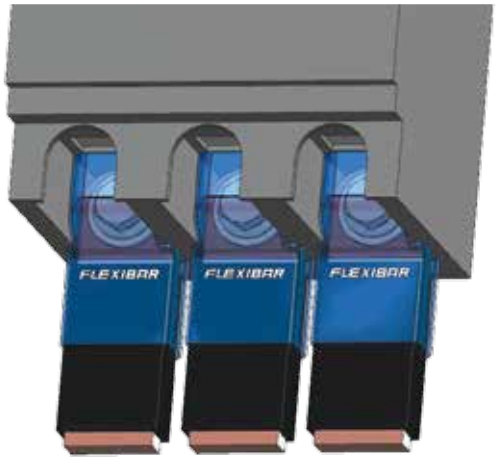
Catalog Number	L (ft.)	ΔT 40 K (A)	ΔT 50 K (A)	ΔT 60 K (A)	No. Layers N	A (in.)	A (mm)	B (in.)	B (mm)	Cross Section (kcmil)	2 Bar Current Coefficient	3 Bar Current Coefficient	Standard Package Qty.
FLEXSM2MRC2X20	6.56	246	275	300	2	.79	20	.04	1	78.94	1.72	2.25	5
FLEXSM2MRC3X20	6.56	323	360	395	3	.79	20	.04	1	118.41	1.72	2.25	5
FLEXSM2MRC2X24	6.56	340	380	416	2	.95	24	.04	1	94.73	1.72	2.25	5
FLEXSM2MRC4X20	6.56	360	402	440	4	.79	20	.04	1	157.88	1.72	2.25	5
FLEXSM2MRC3X24	6.56	370	413	453	3	.95	24	.04	1	142.10	1.72	2.25	5
FLEXSM2MRC5X20	6.56	376	420	460	5	.79	20	.04	1	197.35	1.72	2.25	5
FLEXSM2MRC4X24	6.56	416	465	540	4	.95	24	.04	1	189.46	1.72	2.25	5
FLEXSM2MRC3X32	6.56	430	480	525	3	1.26	32	.04	1	189.46	1.72	2.25	5
FLEXSM2MRC5X24	6.56	460	514	563	5	.95	24	.04	1	236.80	1.72	2.25	5
FLEXSM2MRC4X32	6.56	490	548	600	4	1.26	32	.04	1	252.60	1.72	2.25	5
FLEXSM2MRC6X24	6.56	506	566	620	6	.95	24	.04	1	284.19	1.72	2.25	5
FLEXSM2MRC5X32	6.56	573	640	702	5	1.26	32	.04	1	315.70	1.72	2.25	5
FLEXSM2MRC6X32	6.56	640	715	783	6	1.26	32	.04	1	378.90	1.72	2.25	5
FLEXSM2MRC5X40	6.56	680	760	832	5	1.58	40	.04	1	394.70	1.72	2.25	5
FLEXSM2MRC8X32	6.56	770	860	943	8	1.26	32	.04	1	505.22	1.72	2.25	5
FLEXSM2MRC6X40	6.56	770	860	943	6	1.58	40	.04	1	473.65	1.72	2.25	5
FLEXSM2MRC5X50	6.56	830	930	1016	5	1.97	50	.04	1	493.38	1.72	2.25	5
FLEXSM2MRC10X40	6.56	1055	1181	1295	10	1.58	40	.04	1	879.41	1.72	2.25	5
FLEXSM2MRC8X50	6.56	1050	1175	1290	8	1.97	50	.04	1	789.41	1.72	2.25	2
FLEXSM2MRC10X50	6.56	1245	1395	1525	10	1.97	50	.04	1	986.76	1.72	2.25	2

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

ΔT = Temperature of conductors – Internal temperature of panel.

ERIFLEX FLEXIBAR END COVER

Catalog Number	Conductor Width (in.)	Conductor Width (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
ENDCOV20	.79	20	.42	.19	12
ENDCOV24	.94	24	.48	.22	12
ENDCOV32	1.26	32	.57	.26	12



APPLICATION

- End cover for ERIFLEX FLEXIBAR and Insulated Power Braid

FEATURES

- Allows for visual inspection of connection
- RoHS compliant
- Flammability Rating: UL 94V-0

SPECIFICATIONS

- Material: Polycarbonate

BULLETIN: ERI3

UFS ERIFLEX FLEXIBAR AND IBSB SUPPORT KIT

INDUSTRY STANDARDS

UL 67 and 891 Component Recognized; File No. E125470

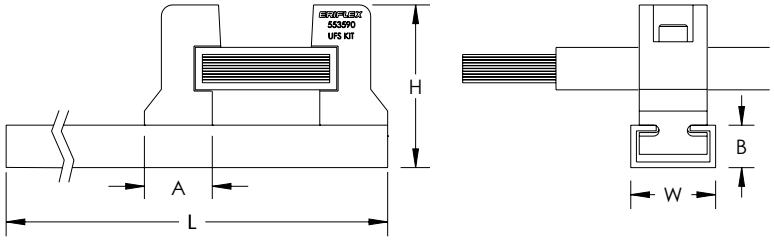
EAC; Cert No. 8546901000

FEATURES

- Kit includes one rail and 24 retaining blocks
- Create up to three 25.60 (650 mm) supports capable of holding four ERIFLEX FLEXIBAR
- Retaining blocks are halogen free
- RoHS compliant
- Material: Aluminum; Polyamide

BULLETIN: ERI3

Catalog Number	Conductor Thickness in./mm	Conductor Width in./mm	H in./mm	L (ft.)	L (m)	W in./mm	A in./mm	B in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UFSKIT	.08 – .39 2 - 10	.61 – 4.72 15.5 – 120.0	2.27 58	6.56	2	1.18 30	.95 24	.59 15	5.07	129	1



FS SPACER CLAMP, SNAP CLOSE

FEATURES

- Provides support for ERIFLEX FLEXIBAR and insulated braided conductors without damaging the insulation
- Ensures correct spacing for optimum cooling
- Supports up to four conductors in parallel
- Easy to install
- Halogen free
- Recommended distance between clamps: 15.75 in. (400 mm)
- RoHS compliant

SPECIFICATIONS

- Material: Polyamide
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94 HB

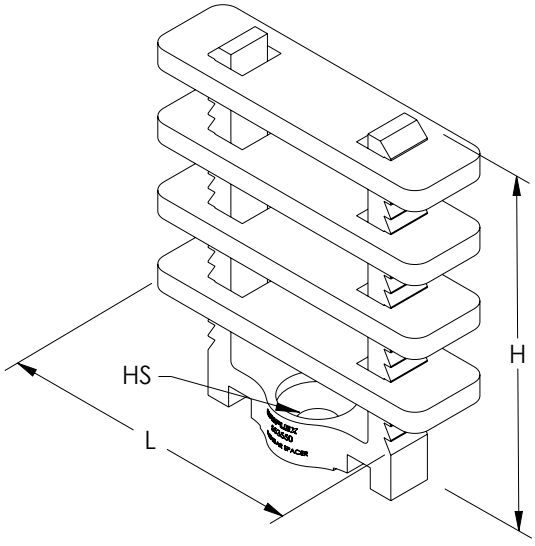
BULLETIN: ERI4

INDUSTRY STANDARDS

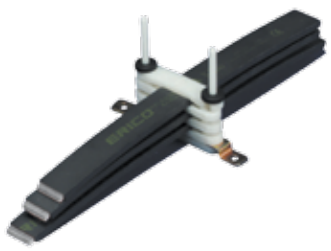
UL 67 and 891 Component Recognized; File No. E125470

EAC; Cert No. 8546901000

Catalog Number	Conductor Width in./mm	H in./mm	L (ft.)	L (m)	Ø HS in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
FS24	.95 24	2.04 52	1.18	30	.27 7	0.03	.01	25
FS32	1.25 32	2.04 52	1.49	38	.27 7	0.04	.02	25



FS SPACER CLAMP



FEATURES

- Provides support for ERIFLEX FLEXIBAR and insulated braided conductors without damaging the insulation
- Ensures correct spacing for optimum cooling
- Supports up to four conductors in parallel
- Easy to install
- Halogen free
- Recommended distance between clamps: 15.75 (400 mm)
- RoHS compliant

SPECIFICATIONS

- Material: Polyamide, Steel
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94HB

FINISH

- Finish: Electrogalvanized

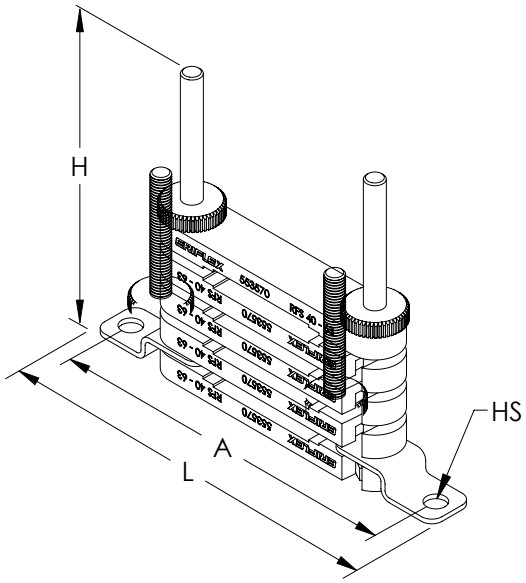
BULLETIN: ERI4

INDUSTRY STANDARDS

UL 67 and 891 Component Recognized; File No. E125470

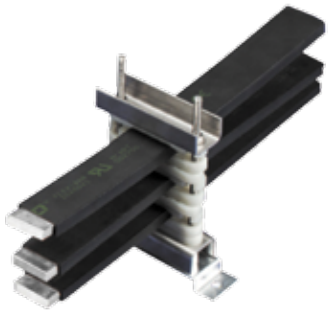
EAC; Cert No. 8546901000

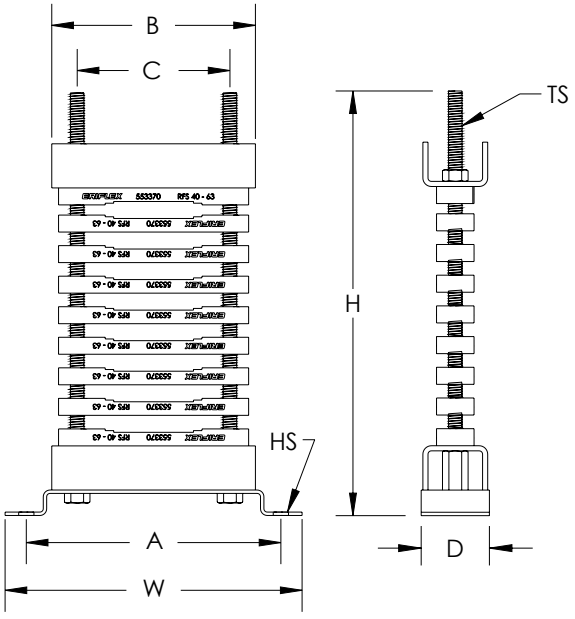
Catalog Number	Conductor Width in./mm	H in./mm	L (ft.)	L (m)	Ø HS in./mm	A in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
FS4063	1.57 – 2.48 40 - 63	3.74 95	6.54	2	.33 8	5.90 150	.22	.10	10
FS80100	3.15-3.94 80 - 100	5.51 140	8.82	2.7	.33 8	7.87 200	.55	.25	10



1

RFS REINFORCED ERIFLEX FLEXIBAR SUPPORT





INDUSTRY STANDARDS
EAC; Cert No. 8546901000

FEATURES
- Supports up to eight conductors in parallel
- Ensures correct spacing for optimum cooling
- Easy to install
- Spacers are halogen free
- RoHS compliant

SPECIFICATIONS
- Material: Stainless Steel 304; Polyamide

BULLETIN: ERI3

Catalog Number	Conductor Width in./mm	D in./mm	H in./mm	Ø HS in./mm	W in./mm	TS	A in./mm	B in./mm	C in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
RFS4063	1.57-2.48 40 - 63	1.57 40	8.26 210	.35 9	6.89 175	M8	5.90 150	4.72 120	3.54 90	.53	.24	1
RFS80100	3.15-3.94 80 - 100	1.57 40	8.26 210	.35 9	8.86 225	M10	7.87 200	6.69 170	5.51 140	.66	.30	1

Notes

INSULATED BRAIDED CONDUCTORS FOR CIRCUIT BREAKERS OVERVIEW

Insulated braided conductors suitable for all the main molded case circuit breakers worldwide.

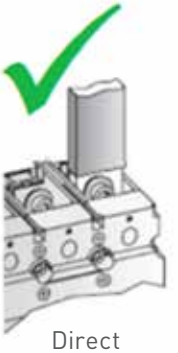
Insulated Braided Conductor Technical Characteristics

- Insulated Braided Conductors are specially designed and developed to be suitable and connectable for molded case circuit breaker ranges, including most compact breakers on the market
- Insulated Braided Conductors are formed with high-quality electrolytic copper wire with a diameter of .006 (.15 mm) for maximum flexibility
- Material savings - Integral palm without lugs or terminals
- Quick and easy to install - Ready to use. No cutting, stripping, crimping or punching. Less labor time for installation.
- Weight savings - A flat braid weighs less than a cable (with insulation) and lugs. Offers better copper usage (Skin Effect).
- The insulation is a high-resistance, self-extinguishing PVC. Maximum working temperature, 221 F (105 C).
- Full application range: 80 A to 630 A (section 25, 50, 70, 100, 120, 185 and 240 mm^2), with 9.05 (230 mm) up to 40.55 (1030 mm) length
- Reliability – No extra contact due to the lugs being crimped at the extremities of the cables. Integral palm without tin addition or crimped lug for an excellent electrical contact.

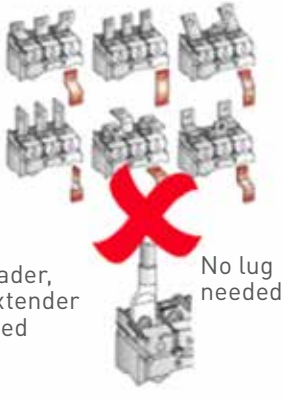
IDEAL CONNECTION FOR MOLDED CASE CIRCUIT BREAKERS.

The Insulated Braided Conductor range can be used as an alternative to cable for all low-voltage applications. It is suitable and connectable for molded case circuit breaker ranges, including most compact breakers on the market. Circuit breakers range from 80 amps up to 630 amps, so you can directly connect the IBSB/IBSBR on the front access terminals breaker without additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. No lugs, cutting, stripping or crimping is necessary.

Very simple -- Very quick -- Ready to use!



Direct connection



No spreader, no extender needed

No lug needed

READY TO USE, OPTIMIZED ALTERNATIVE TO CABLE

ERIFLEX has developed a unique, state-of-the-art manufacturing line to massivate directly the palms of IBSB and IBSBR braids.

The innovative manufacturing process provides an effective electrical contact, due to the integral palms, without the addition of tin or crimped lugs. This process welds the flexible braid and brings back a solid tinned or red copper block as a palm. Unlike the traditional press-welded palms process, Hoffman's process is suitable for red copper, but also for tinned plated copper. The electrical contact between each wire is optimized.

This ERIFLEX process also helps eliminate moisture issues in the palms. By using crimped lugs in a severe environment, moisture can enter in the lug (often by capillarity) and create corrosion between each wire. After several years, the electrical contact between each wire can deteriorate and alter the electrical conductivity of the equipment. The corrosion in the palm is impossible to remove without changing the element.

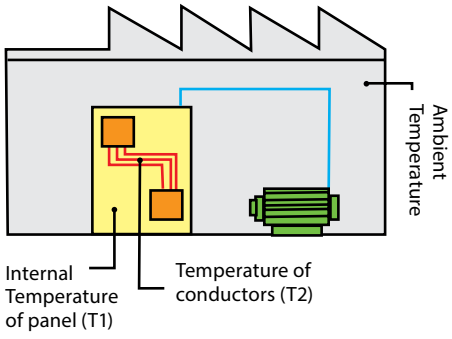
This process produces RoHS products; no additional substances are added to the tinned plated wires during the manufacturing process.

INSULATED BRAIDED CONDUCTORS (IBS, IBSB, IBSBR)

Temperature rise of conductor = T2 - T1 = ΔT (K)
e.g.: for a current of 630A, with:
T1 = 40 C (104 F) - T2 = 90 C (194 F)
1) ΔT = 90 - 40 = 50K
2) In the 50 K column, find the closest current value to 630A.
K = Kelvin degree (temperature calculated, but not measurable.)

Insulated braided conductor in parallel
When using 2 or 3 insulated braided conductors in parallel for the same phase, use the current coefficient:
e.g.: IBSB 100 - ΔT° = 50K: 385 A
2 braids in parallel > 385 A x 1.6 = 616 A
3 braids in parallel > 385 A x 2 = 770 A

Selection of insulated braided conductor IBS, IBSB & IBSBR according to the internal temperature of the panel.

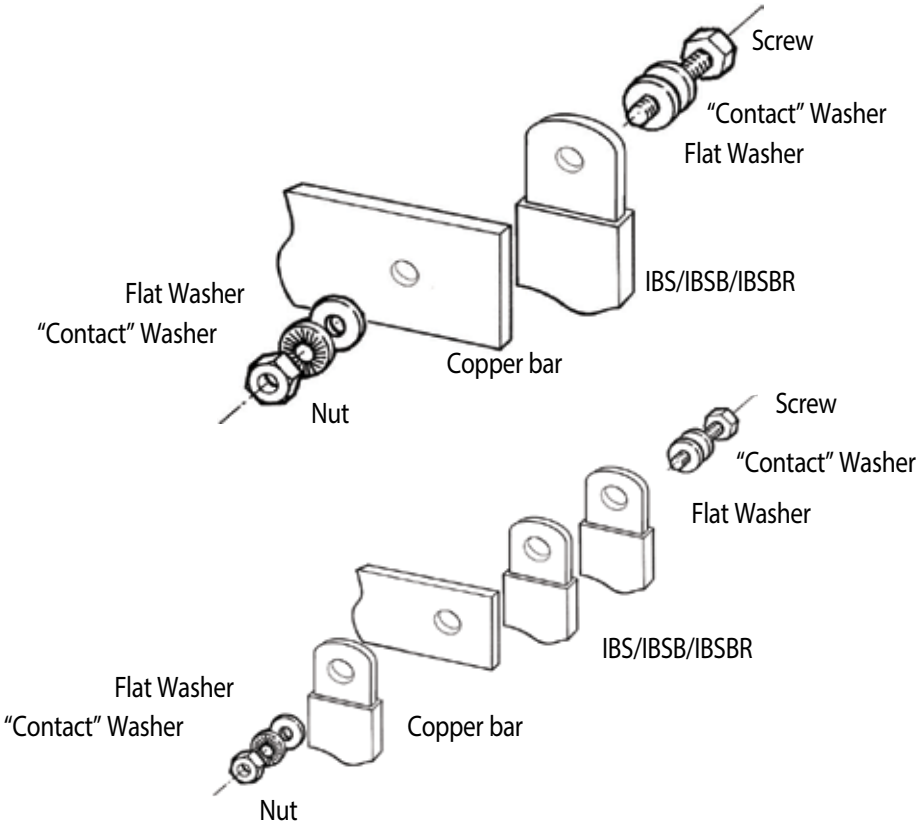


Insulated Braided Conductor Type	Cross Section (mm²/kcmil)	ΔT (K) 30	ΔT (K) 40	ΔT (K) 45	ΔT (K) 50	ΔT (K) 55	ΔT (K) 60	ΔT (K) 70	Current Coefficient 2 Braids	Current Coefficient 3 Braids
IBS 25	25/49.34	137	158	167	177	185	193	209	1.6	2
IBSB 25	25/49.34	116	134	142	150	157	164	177	1.6	2
IBS 50	50/98.68	213	246	260	274	288	301	325	1.6	2
IBSB 50	50/98.68	213	246	260	274	288	301	325	1.6	2
IBSB 70	70/138.15	226	261	277	291	306	319	345	1.6	2
IBSB 100	100/197.35	298	344	365	385	404	422	456	1.6	2
IBS 120	120/236.82	325	376	398	420	441	460	497	1.6	2
IBSBR 120	120/236.82	363	419	444	468	491	513	554	1.6	2
IBS 185	185/365.1	407	470	499	526	552	576	622	1.6	2
IBSBR 185	185/365.1	416	480	509	537	563	588	635	1.6	2
IBS 240	240/473.65	488	563	598	630	661	690	745	1.6	2
IBSBR 240	240/473.65	556	642	681	718	753	786	849	1.6	2

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section.

This calculation does not take into account the heat dissipation from the switch gear.

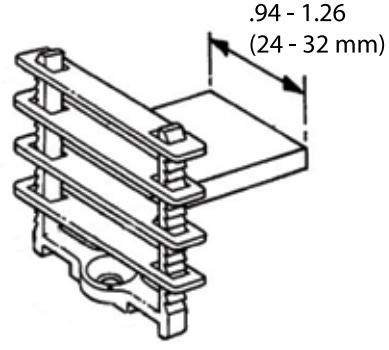
Assembly Instructions



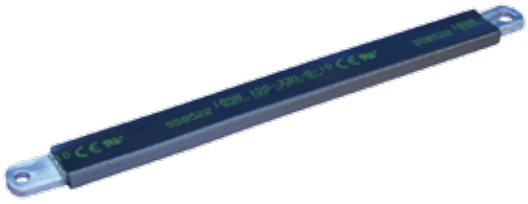
Space between 2 or 3 insulated braided conductors in parallel, for cooling. A minimum air gap is required. Use FS type spacer clamp.

BULLETIN: ERI4

Catalog Number	For Insulated Braided Conductor Type
FS24	IBS 25 / 50 IBSB 25 / 50 / 70 / 100
FS32	IBSBR 120 / 185 / 240



IBSB/IBSBR INSULATED BRAIDED CONDUCTOR FOR CIRCUIT BREAKERS



The IBSB/IBSBR features integral pre-punched palms that are ready to connect out of the box. There are no lugs to purchase or install, making connections simpler and faster and eliminating faulty connections due to vibration or fatigue. The insulation is a high-resistance self-extinguishing PVC.
IBSB/IBSBR is compatible with all major brand molded case circuit breakers. Contact your Pentair representative to determine the correct size for your application.

FEATURES

- Suitable for all main molded case circuit breakers
- Resistant to vibration, improving reliability and performance
- Improves assembly flexibility and aesthetics
- Quick and easy installation
- No additional cutting, stripping, crimping and punching needed
- Integral palm without lugs or terminals reduces material and assembly weight
- Small wire diameter provides maximum flexibility
- RoHS compliant

INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470
UL 758 Component Recognized; File No. E316390

ABS; Cert No. 13-HS1070074-PDA
Bureau Veritas; Cert No. 41939 BV
CE
CSA, C22.2 No. 0 and C22.2 No. 210; File No. 90005
EAC; Cert No. 0234251
Complies With: IEC 60439.1; IEC 61439.1; IEC 61439.1 Class II

SPECIFICATIONS

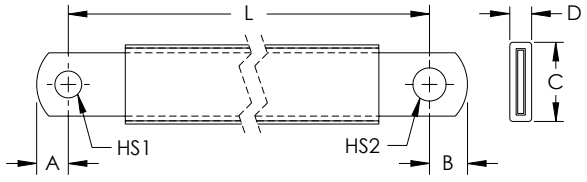
- Dielectric Strength: 20 kV/mm
- Flammability Rating: UL 94V-0
- Max Working Voltage, IEC/UL 758: 1,000 VAC, 1,500 VDC
- Max Working Voltage, UL 67: 600 VAC/DC
- Working Temperature: 221 F (105 C) Max
- Operating Temperature: -58 to 221 F (-50 to 105 C)
- Wire Diameter: 0.006 in. (.15 mm)
- Material: Copper, Polyvinylchloride

APPLICATION

IBSB/IBSBR is the ideal ready-to-install flexible wire replacement solution that is specifically designed for connections to all molded case circuit breakers, including the most compact breakers on the market. It connects to the front access terminals of the breakers without any additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBSB/IBSBR is available in cross section of 25 to 240 mm² (49.34 to 273.65 kcmil), lengths from 230 to 1,030 mm (9.06 to 40.55), and 80 to 350 A tinned and 400 to 630 A bare (red) copper.
Manufactured in an ISO 9001 certified proprietary automated facility, IBSB/IBSBR is formed by weaving high-quality electrolytic copper wire to form a durable low voltage connector with maximum flexibility that allows for more compact power connections to circuit breakers. The IBSB/IBSBR allows users to reduce the total size and weight of the installation, improving both design flexibility and assembly aesthetics.

FINISH

- Tinned or bare as noted



BULLETIN: ERI3

Typical Application Current Rating: 125 – 160 A – Finish: Tinned

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Standard Package Qty.
IBSB25230	49.34	.47	12	.11	2.8	9.06	230	.30	7.5	.30	7.5	.71	18	.35	9.0	.26	6.5	.26	6.5	10
IBSB25330	49.34	.47	12	.11	2.8	12.99	330	.30	7.5	.30	7.5	.71	18	.35	9.0	.26	6.5	.26	6.5	10
IBSB25430	49.34	.47	12	.11	2.8	16.93	430	.30	7.5	.30	7.5	.71	18	.35	9.0	.26	6.5	.26	6.5	10
IBSB25530	49.34	.47	12	.11	2.8	20.87	530	.30	7.5	.30	7.5	.71	18	.35	9.0	.26	6.5	.26	6.5	10
IBSB25630	49.34	.47	12	.11	2.8	24.80	630	.30	7.5	.30	7.5	.71	18	.35	9.0	.26	6.5	.26	6.5	10
IBSB25830	49.34	.47	12	.11	2.8	32.68	830	.30	7.5	.30	7.5	.71	18	.35	9.0	.26	6.5	.26	6.5	10
IBSB251030	49.34	.47	12	.11	2.8	40.55	1030	.30	7.5	.30	7.5	.71	18	.35	9.0	.26	6.5	.26	6.5	10

Typical Application Current Rating: 250 A – Finish: Tinned

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Standard Package Qty.
IBSB50230	98.68	.79	20	.12	3	9.06	230	.35	9	.43	11	1.06	27	.35	9	.33	8.5	.41	10.5	10
IBSB50330	98.68	.79	20	.12	3	12.99	330	.35	9	.43	11	1.06	27	.35	9	.33	8.5	.41	10.5	10
IBSB50430	98.68	.79	20	.12	3	16.93	430	.35	9	.43	11	1.06	27	.35	9	.33	8.5	.41	10.5	10
IBSB50530	98.68	.79	20	.12	3	20.87	530	.35	9	.43	11	1.06	27	.35	9	.33	8.5	.41	10.5	10
IBSB50630	98.68	.79	20	.12	3	24.80	630	.35	9	.43	11	1.06	27	.35	9	.33	8.5	.41	10.5	10
IBSB50830	98.68	.79	20	.12	3	32.68	830	.35	9	.43	11	1.06	27	.35	9	.33	8.5	.41	10.5	10
IBSB501030	98.68	.79	20	.12	3	40.55	1030	.35	9	.43	11	1.06	27	.35	9	.33	8.5	.41	10.5	10

Typical Application Current Rating: 300 A – Finish: Tinned

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 q(in.)	Ø HS2 (mm)	Standard Package Qty.
IBSB70230	138.15	.79	20	.17	4.3	9.06	230	.35	9	.43	11	1.06	27	.43	11	.33	8.5	.41	10.5	10
IBSB70330	138.15	.79	20	.17	4.3	12.99	330	.35	9	.43	11	1.06	27	.43	11	.33	8.5	.41	10.5	10
IBSB70430	138.15	.79	20	.17	4.3	16.93	430	.35	9	.43	11	1.06	27	.43	11	.33	8.5	.41	10.5	10
IBSB70530	138.15	.79	20	.17	4.3	20.87	530	.35	9	.43	11	1.06	27	.43	11	.33	8.5	.41	10.5	10
IBSB70630	138.15	.79	20	.17	4.3	24.80	630	.35	9	.43	11	1.06	27	.43	11	.33	8.5	.41	10.5	10
IBSB70830	138.15	.79	20	.17	4.3	32.68	830	.35	9	.43	11	1.06	27	.43	11	.33	8.5	.41	10.5	10
IBSB701030	138.15	.79	20	.17	4.3	40.55	1030	.35	9	.43	11	1.06	27	.43	11	.33	8.5	.41	10.5	10

Typical Application Current Rating: 350 A – Finish: Tinned

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Standard Package Qty.
IBSB100230	197.35	.94	24	.20	5	9.06	230	.35	9	.43	11	1.22	31	.51	13	.33	8.5	.41	10.5	10
IBSB100330	197.35	.94	24	.20	5	12.99	330	.35	9	.43	11	1.22	31	.51	13	.33	8.5	.41	10.5	10
IBSB100430	197.35	.94	24	.20	5	16.93	430	.35	9	.43	11	1.22	31	.51	13	.33	8.5	.41	10.5	10
IBSB100530	197.35	.94	24	.20	5	20.87	530	.35	9	.43	11	1.22	31	.51	13	.33	8.5	.41	10.5	10
IBSB100630	197.35	.94	24	.20	5	24.80	630	.35	9	.43	11	1.22	31	.51	13	.33	8.5	.41	10.5	10
IBSB100830	197.35	.94	24	.20	5	32.68	830	.35	9	.43	11	1.22	31	.51	13	.33	8.5	.41	10.5	10
IBSB1001030	197.35	.94	24	.20	5	40.55	1030	.35	9	.43	11	1.22	31	.51	13	.33	8.5	.41	10.5	10

Typical Application Current Rating: 400 A – Finish: Bare

Catalog Number	Cross Section (kcmil)	Conductor Thickness (in.)	Conductor Thickness (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Standard Package Qty.
IBSBR120230	236.82	1.26	32	.17	4.4	9.06	230	.43	11	.43	11	1.54	39	.47	12	.41	10.5	.41	10.5	2
IBSBR120330	236.82	1.26	32	.17	4.4	12.99	330	.43	11	.43	11	1.54	39	.47	12	.41	10.5	.41	10.5	2
IBSBR120430	236.82	1.26	32	.17	4.4	16.93	430	.43	11	.43	11	1.54	39	.47	12	.41	10.5	.41	10.5	2
IBSBR120530	236.82	1.26	32	.17	4.4	20.87	530	.43	11	.43	11	1.54	39	.47	12	.41	10.5	.41	10.5	2
IBSBR120630	236.82	1.26	32	.17	4.4	24.80	630	.43	11	.43	11	1.54	39	.47	12	.41	10.5	.41	10.5	2
IBSBR120830	236.82	1.26	32	.17	4.4	32.68	830	.43	11	.43	11	1.54	39	.47	12	.41	10.5	.41	10.5	2
IBSBR1201030	236.82	1.26	32	.17	4.4	40.55	1030	.43	11	.43	11	1.54	39	.47	12	.41	10.5	.41	10.5	2

Typical Application Current Rating: 500 A – Finish: Bare

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Standard Package Qty.
IBSBR185330	365.10	1.26	32	.28	7	12.99	330	.47	12	.55	14	1.54	39	.63	16	.41	10.5	.49	12.5	2
IBSBR185430	365.10	1.26	32	.28	7	16.93	430	.47	12	.55	14	1.54	39	.63	16	.41	10.5	.49	12.5	2
IBSBR185530	365.10	1.26	32	.28	7	20.87	530	.47	12	.55	14	1.54	39	.63	16	.41	10.5	.49	12.5	2
IBSBR185630	365.10	1.26	32	.28	7	24.80	630	.47	12	.55	14	1.54	39	.63	16	.41	10.5	.49	12.5	2
IBSBR185830	365.10	1.26	32	.28	7	32.68	830	.47	12	.55	14	1.54	39	.63	16	.41	10.5	.49	12.5	2
IBSBR1851030	365.10	1.26	32	.28	7	40.55	1030	.47	12	.55	14	1.54	39	.63	16	.41	10.5	.49	12.5	2

Typical Application Current Rating: 630 A – Finish: Bare

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Standard Package Qty.
IBSBR240330	473.65	1.26	32	.36	9	12.99	330	.47	12	.55	14	1.54	39	.73	18.5	.41	10.5	.49	12.5	2
IBSBR240430	473.65	1.26	32	.36	9	16.93	430	.47	12	.55	14	1.54	39	.73	18.5	.41	10.5	.49	12.5	2
IBSBR240530	473.65	1.26	32	.36	9	20.87	530	.47	12	.55	14	1.54	39	.73	18.5	.41	10.5	.49	12.5	2
IBSBR240630	473.65	1.26	32	.36	9	24.80	630	.47	12	.55	14	1.54	39	.73	18.5	.41	10.5	.49	12.5	2
IBSBR240830	473.65	1.26	32	.36	9	32.68	830	.47	12	.55	14	1.54	39	.73	18.5	.41	10.5	.49	12.5	2
IBSBR2401030	473.65	1.26	32	.36	9	40.55	1030	.47	12	.55	14	1.54	39	.73	18.5	.41	10.5	.49	12.5	2

Maximum Ampacity Ratings

Cross Section (mm^2/kcmil)	ΔT 30° C (A)	ΔT 40° C (A)	ΔT 45° C (A)	ΔT 50° C (A)	ΔT 55° C (A)	ΔT 60° C (A)	ΔT 70° C (A)	2 Bar Current Coefficient	3 Bar Current Coefficient
25/49.34	116	134	142	150	157	164	177	1.6	2
50/98.68	213	246	260	274	288	301	325	1.6	2
70/138.15	226	261	277	291	306	319	345	1.6	2
100/197.35	298	344	365	385	404	422	456	1.6	2
120/236.82	363	419	444	468	491	513	554	1.6	2
185/365.1	416	480	509	537	563	588	635	1.6	2
240/473.65	556	642	681	718	753	786	849	1.6	2

1

Circuit Breaker Compatibility

Circuit Breaker Current Rating Catalog Number	125/160 A IBSB25x	250 A IBSB50x	300 A IBSB70x	350 A IBSB100x	400 A IBSBR120x	500 A IBSBR185x	630 A IBSBR240x
Schneider Electric® Compact® (IEC)	NSA NG 125	NSX 250	NSX 400	NSX 400	NSX 400	NSX 630	NSX 630
Square D® PowerPact® (UL)	HFrame	JFrame	LFrame	LFrame	LFrame	-	-
ABB® Tmax® (IEC)	T1 T2 XT1 XT2	T3 XT3 XT4	T4	T4	T5	T5	T5
ABB® Tmax® (UL)	T1 T2	T4	T5	T5	T5	-	-
GE® RecordbrPlus® (IEC/UL)	FD 160	FE 250	FG 400	FG 400	FG 400	FG 630	FG 630
Siemens® Sentron® (IEC/UL)	VL160X 3VL1 VL160 3VL2	VL250 3VL3	VL400 3VL4	VL400 3VL4	VL400 3VL4	-	-
Moeller® xEnergy® (IEC)	NZM1	NZM2	NZM3	NZM3	NZM3	NZM3	NZM3
Cutler Hammer® Series G (UL)	EG Frame	JG Frame	LG Frame	LG Frame	LG Frame	LG Frame	LG Frame
Legrand® (IEC)	DPX 160 DPX3 160	DPX 250 DPX3 250	DPX 630	DPX 630	DPX 630	DPX 630	DPX 630
Hager® (IEC)	h3 160	h3 250	h3 630	h3 630	-	-	-
Rockwell/Allen Bradley (UL)	G-Frame H-Frame	I-Frame J-Frame	I-Frame J-Frame	-	K-Frame	K-Frame	-
Mitsubishi Electric (IEC)	-	NF250 DSN250	-	NF400 DSN400	-	-	-
OEZ (IEC)	BC160N	BD250N BD250S	BH630B BH630S	BH630B BH630S	BH630B BH630S	BH630B BH630S	BH630B BH630S

IBS FLAT INSULATED BRAIDED CONDUCTOR

The IBS Flat Insulated Braided Conductor features integral prepunched palms that are ready to connect out of the box. There are no lugs to purchase or install, making connections simpler and faster and eliminating faulty connections due to vibration or fatigue. The insulation is a high-resistance self-extinguishing PVC.

FEATURES

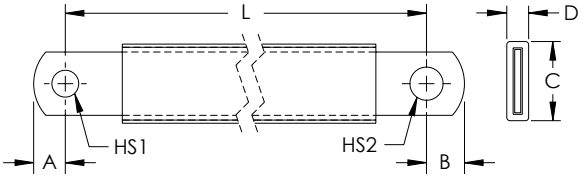
- Suitable for all main electrical devices
- Resistant to vibration, improving reliability and performance
- Improves assembly flexibility and aesthetics
- Quick and easy installation
- No additional cutting, stripping, crimping and punching needed
- Integral palm without lugs or terminals reduces material and assembly weight
- Small wire diameter provides maximum flexibility
- RoHS compliant

SPECIFICATIONS

- Dielectric Strength: 20 kV/mm
- Flammability Rating: UL 94V-0
- Max Working Voltage, IEC/UL 758: 1,000 VAC, 1,500 VDC
- Max Working Voltage, UL 67: 600 VAC/DC
- Working Temperature: 221 F (105 C) Max
- Operating Temperature: -58 to 221 F (-50 to 105 C)
- Wire Diameter: 0.006 in. (.15 mm)
- Material: Copper, Polyvinylchloride

FINISH

Finish: Tinned



BULLETIN: ERI3

INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470
UL 758 Component Recognized; File No. E316390

ABS; Cert No. 13-HS1070074-PDA
CE
CSA, C22.2 No. 0 and C22.2 No. 210; File No. 90005
EAC; Cert No. 0234251
Complies With: IEC 60439.1; IEC 61439.1; IEC 61439.1 Class II

APPLICATION

IBS Flat Insulated Braided Conductors are the ideal ready-to-install flexible wire replacement solution. They connect directly to the front access terminals of an electrical device without the need for additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBS Flat Insulated Braided Conductors are available in cross section of 25 and 50 mm^2 (49.34 and 98.68 kcmil), lengths from 230 to 1,030 mm (9.06 in. to 40.55 in.), and amperages ranging from 177 to 274 A.
Manufactured in an ISO 9001 certified proprietary automated facility, IBS Flat Insulated Braided Conductors are formed by weaving high-quality electrolytic copper wire to form a durable low voltage connector with maximum flexibility that allows for more compact power to electrical device. The IBS Flat Insulated Braided Conductor allows users to reduce the total size and weight of the installation, improving both design flexibility and assembly aesthetics.

Typical Application Current Rating: 160 A

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Standard Package Qty.
IBS25230810	49.34	.79	20	.07	2	9.06	230	.39	10	.47	12	.98	25	.24	6	.33	8.5	.41	10.5	10
IBS25330810	49.34	.79	20	.07	2	12.99	330	.39	10	.47	12	.98	25	.24	6	.33	8.5	.41	10.5	10
IBS25430810	49.34	.79	20	.07	2	16.93	430	.39	10	.47	12	.98	25	.24	6	.33	8.5	.41	10.5	10
IBS25530810	49.34	.79	20	.07	2	20.87	530	.39	10	.47	12	.98	25	.24	6	.33	8.5	.41	10.5	10
IBS25630810	49.34	.79	20	.07	2	24.80	630	.39	10	.47	12	.98	25	.24	6	.33	8.5	.41	10.5	10
IBS25830810	49.34	.79	20	.07	2	32.68	830	.39	10	.47	12	.98	25	.24	6	.33	8.5	.41	10.5	10
IBS251030810	49.34	.79	20	.07	2	40.55	1030	.39	10	.47	12	.98	25	.24	6	.33	8.5	.41	10.5	10

Typical Application Current Rating: 250 A

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Standard Package Qty.
IBS5023010	98.68	.79	20	.15	4	9.06	230	.47	12	.47	12	.98	25	.30	7.5	.41	10.5	.41	10.5	10
IBS5033010	98.68	.79	20	.15	4	12.99	330	.47	12	.47	12	.98	25	.30	7.5	.41	10.5	.41	10.5	10
IBS5043010	98.68	.79	20	.15	4	16.93	430	.47	12	.47	12	.98	25	.30	7.5	.41	10.5	.41	10.5	10
IBS5053010	98.68	.79	20	.15	4	20.87	530	.47	12	.47	12	.98	25	.30	7.5	.41	10.5	.41	10.5	10
IBS5063010	98.68	.79	20	.15	4	24.80	630	.47	12	.47	12	.98	25	.30	7.5	.41	10.5	.41	10.5	10
IBS5083010	98.68	.79	20	.15	4	32.68	830	.47	12	.47	12	.98	25	.30	7.5	.41	10.5	.41	10.5	10
IBS50103010	98.68	.79	20	.15	4	40.55	1030	.47	12	.47	12	.98	25	.30	7.5	.41	10.5	.41	10.5	10

Maximum Ampacity Ratings

Cross Section (mm^2/kcmil)	ΔT 30° C (A)	ΔT 40° C (A)	ΔT 45° C (A)	ΔT 50° C (A)	ΔT 55° C (A)	ΔT 60° C (A)	ΔT 70° C (A)	2 Bar Current Coefficient	3 Bar Current Coefficient
25/49.34	137	158	167	177	185	193	209	1.6	2
50/98.68	213	246	260	274	288	301	325	1.6	2

Circuit Breaker Compatibility

Circuit Breaker Current Rating Catalog Number	125/160 A IBS25x	250 A IBS50x
Schneider Electric® Compact® (IEC)	NSX 100 NSX 160	NSX 250
Square D® PowerPact® (UL)	J-Frame	J-Frame
ABB Tmax (IEC)		T3 XT3 XT4
ABB® Tmax (UL)	T3	T4
GE® Record Plus® (IEC/UL)	FE 160	FE 250
Siemens® Sentron® (IEC/UL)		VL250 3VL3
Moeller® xEnergy® (IEC)		NZM2
Cutler Hammer® Series G (UL)	JG Frame	JG Frame
Legrand® (IEC)		DPX 250 DPX3 250
Hager® (IEC)		h3 250
Rockwell/Allen Bradley (UL)		I-Frame J-Frame
Mitsubishi Electric (IEC)	NF125 NF160 DSN125 DSN160	NF250 DSN250

IBS ROUND INSULATED BRAIDED CONDUCTOR

INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470
UL 758 Component Recognized; File No. E316390

ABS; Cert No. 13-HS1070074-PDA
CE
CSA, C22.2 No. 0 and C22.2 No. 210; File No. 90005
EAC; Cert No. 0234251
Complies With: IEC 60439.1; IEC 61439.1; IEC 61439.1 Class II

APPLICATION

IBS Round Insulated Braided Conductors are the ideal ready-to-install flexible wire replacement solution. They connect to the terminals of an electrical device without the need for additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBS Round Insulated Braided Conductors are available in cross sections of 120, 185 and 240 mm² (236.82, 365.10, and 473.65 kcmil), lengths from 330 to 1,030 mm (9.06 to 40.55), and amperages ranging from 420 to 630 A.
Manufactured in an ISO 9001 certified facility, IBS Round Insulated Braided Conductors are formed by weaving high-quality electrolytic copper wire to form a durable low voltage connector with maximum flexibility that allows for more compact power connections. The IBS Round Insulated Braided Conductor allows users to reduce the total size and weight of the installation, improving both design flexibility and assembly aesthetics.
The IBS Round Insulated Braided Conductor features pre-punched palms that are ready to connect out of the box. There are no lugs to purchase or install, making connections simpler and faster and eliminating faulty connections due to vibration or fatigue. The insulation is a high-resistance self-extinguishing PVC.

FEATURES

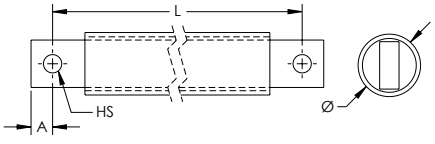
- Resistant to vibration, improving reliability and performance
- Improves assembly flexibility and aesthetics
- Quick and easy installation
- No additional cutting, stripping, crimping and punching needed
- Small wire diameter provides maximum flexibility
- RoHS compliant

SPECIFICATIONS

- Dielectric Strength: 20 kV/mm
- Flammability Rating: UL 94V-0
- Max Working Voltage, IEC/UL 758: 1,000 VAC, 1,500 VDC
- Max Working Voltage, UL 67: 600 VAC/DC
- Working Temperature: 221 F (105 C) Max
- Operating Temperature: -58 to 221 F (-50 to 105 C)
- Wire Diameter: 0.006 in. (.15 mm)
- Material: Copper, Polyvinylchloride

FINISH

Finish: Tinned



BULLETIN: ERI3

Typical Application Current Rating: 400 A

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	Ø (in.)	Ø (mm)	Ø Hole Size HS (in.)	Ø Hole Size HS (mm)	Standard Pkg. Qty.
IBS12033010	236.82	.94	24	.39	10	12.99	330	.47	12	1.06	27	.41	10.5	2
IBS12043010	236.82	.94	24	.39	10	16.93	430	.47	12	1.06	27	.41	10.5	2
IBS12053010	236.82	.94	24	.39	10	20.87	530	.47	12	1.06	27	.41	10.5	2
IBS12063010	236.82	.94	24	.39	10	24.80	630	.47	12	1.06	27	.41	10.5	2
IBS12083010	236.82	.94	24	.39	10	32.68	830	.47	12	1.06	27	.41	10.5	2
IBS120103010	236.82	.94	24	.39	10	40.55	1030	.47	12	1.06	27	.41	10.5	2

Typical Application Current Rating: 500 A

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	Ø (in.)	Ø (mm)	Ø Hole Size HS (in.)	Ø Hole Size HS (mm)	Standard Pkg. Qty.
IBS18533010	365.10	.94	24	.59	15	12.99	330	.47	12	1.22	31	.41	10.5	2
IBS18543010	365.10	.94	24	.59	15	16.93	430	.47	12	1.22	31	.41	10.5	2
IBS18553010	365.10	.94	24	.59	15	20.87	530	.47	12	1.22	31	.41	10.5	2
IBS18563010	365.10	.94	24	.59	15	24.80	630	.47	12	1.22	31	.41	10.5	2
IBS18583010	365.10	.94	24	.59	15	32.68	830	.47	12	1.22	31	.41	10.5	2
IBS185103010	365.10	.94	24	.59	15	40.55	1030	.47	12	1.22	31	.41	10.5	2

Typical Application Current Rating: 630 A

Catalog Number	Cross Section (kcmil)	Conductor Width (in.)	Conductor Width (mm)	Conductor Thickness (in.)	Conductor Thickness (mm)	L (in.)	L (mm)	A (in.)	A (mm)	Ø (in.)	Ø (mm)	Ø Hole Size HS (in.)	Ø Hole Size HS (mm)	Standard Pkg. Qty.
IBS24033012	473.65	1.26	32	.59	15	12.99	330	.51	13	1.42	36	.49	12.5	2
IBS24043012	473.65	1.26	32	.59	15	16.93	430	.51	13	1.42	36	.49	12.5	2
IBS24053012	473.65	1.26	32	.59	15	20.87	530	.51	13	1.42	36	.49	12.5	2
IBS24063012	473.65	1.26	32	.59	15	24.80	630	.51	13	1.42	36	.49	12.5	2
IBS24083012	473.65	1.26	32	.59	15	32.68	830	.51	13	1.42	36	.49	12.5	2
IBS240103012	473.65	1.26	32	.59	15	40.55	1030	.51	13	1.42	36	.49	12.5	2

Maximum Ampacity Ratings

Cross Section (mm^2/kcmil)	ΔT 30 C (A)	ΔT 40 C (A)	ΔT 45 C (A)	ΔT 50 C (A)	ΔT 55 C (A)	ΔT 60 C (A)	ΔT 70 C (A)	2 Bar Current Coefficient
120/236.82	325	376	398	420	441	460	497	1.6
185/365.10	407	470	499	526	552	576	622	1.6
240/473.65	488	563	598	630	661	690	745	1.6

IBSHY INSULATED BRAIDED CONDUCTOR FOR COMPACT CIRCUIT BREAKERS

FEATURES

- Suitable for all main 125/160 A electrical devices and specifically molded case circuit breakers
- Resistant to vibration, improving reliability and performance
- Improves assembly flexibility and aesthetics
- Quick and easy installation
- No additional cutting, stripping, crimping and punching needed
- Small wire diameter provides maximum flexibility
- Halogen free solution for applications requiring a low smoke solution
- Conforms to NF EN 45545 obtaining an HL2 classification for chapters R22 and R23
- High working temperature
- RoHS compliant

INDUSTRY STANDARDS

CE
Complies With: IEC 60439.1; IEC 61439.1

APPLICATION

IBSHY is the ideal ready-to-install flexible wire replacement solution that is specifically designed for connections from compact molded case circuit breakers with typical current rating of 125/160 A to copper busbar. The IBSHY connects to the front access terminals of the breakers without any additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBSHY is available in cross section of 32 mm² (63.15 kcmil), lengths from 9.10 to 32.70 in. (230 to 830 mm).

Manufactured in an ISO 9001 certified proprietary automated facility, IBSHY is formed by weaving high-quality electrolytic copper wire to form a durable low voltage connector with maximum flexibility that allows for more compact power connections to circuit breakers. The IBSHY allows users to reduce the total size and weight of the installation, improving both design flexibility and assembly aesthetics.

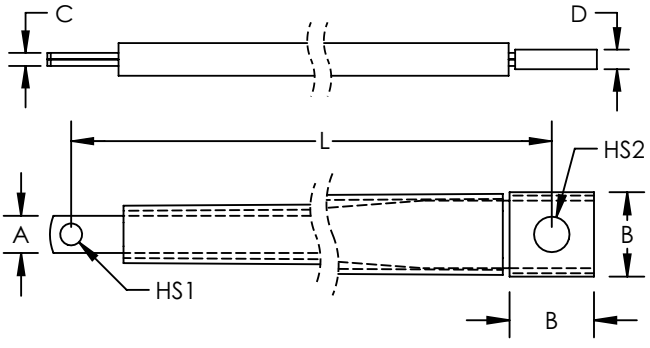
The IBSHY features integral pre-punched palms at one end with a pre-punched crimped tube at the other end both of which are ready to connect out of the box. There are no lugs to purchase or install, making connections simpler and faster and eliminating faulty connections due to vibration or fatigue.

These specific shapes give users the advantage to have the possibility to link a compact circuit breaker, or other apparatus, using connection by cage or bolt to a copper busbar with a larger bolt.

The insulation is a high-resistance, self-extinguishing, and halogen free glass fiber reinforced silicon providing possible high working temperature. IBSHY is compatible with all major brand compact molded case circuit breakers with 125/160 A nominal current. Contact your ERIFLEX representative to determine the correct size for your application.

SPECIFICATIONS

- Typical Application Current Rating: 160 A
- Finish: Tinned
- Material: Copper; Glass Fiber Reinforced Silicon
- Flammability Rating: UL 1441 VW-1
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Operating Temperature: -76 to 482 F (-60 to 250 C)
- Wire Diameter: 0.006 in. (.15 mm)



BULLETIN: ERI3

Catalog Number	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Ø HS1 (in.)	Ø HS1 (mm)	Ø HS2 (in.)	Ø HS2 (mm)	Cross Section (kcmil)	Standard Package Qty.
IBSHY32230	9.10	230	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32330	13.00	330	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32365	14.40	365	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32430	16.90	430	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32500	19.70	500	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32565	22.20	565	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32630	24.80	630	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32700	27.60	701	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32765	30.10	765	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12
IBSHY32830	32.70	830	.43	11	.98	25	.12	3	.20	5	.26	6.5	.41	10.5	63.15	12

Maximum Ampacity Ratings

Cross Section (mm^2/kcmil)	ΔT 30 C (A)	ΔT 35 C (A)	ΔT 40 C (A)	ΔT 45 C (A)	ΔT 50 C (A)	ΔT 55 C (A)	ΔT 36 C (A)	ΔT 65 C (A)	ΔT 70 C (A)	ΔT 75 C (A)	ΔT 80 C (A)	ΔT 100 C (A)	ΔT 120 C (A)	2 Bar Current Coefficient	3 Bar Current Coefficient
32/63.15	142	153	164	174	184	193	201	209	217	225	235	263	290	1.60	2.00

ΔT = Temperature of conductors – Internal temperature of panel.

This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

1

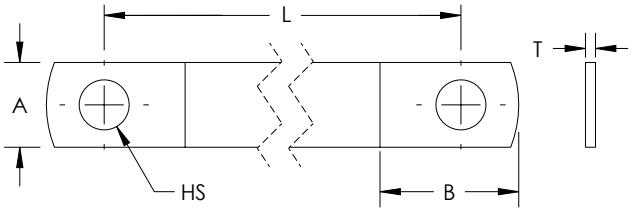
MBJ GROUNDING AND BONDING BRAID, TINNED COPPER

SPECIFICATIONS

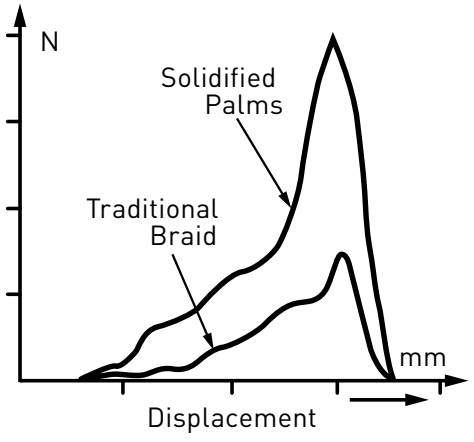
- Working Temperature: 221 F (105 C) Max
- Material: Copper

FINISH

Finish: Tinned



Comparison of tensile strength



INDUSTRY STANDARDS

UL 467 Listed; File No. E220029 cUL Listed per CSA C22.2 No. 41; File No. E220029

CE
EAC; Cert No. 7413000009
EAC; Cert No. 8536900100 (MBJ62006, MBJ162008 and MBJ3020010 only)
Complies With: IEC 60439.1; IEC 61439.1

APPLICATION

MBJ Grounding and Bonding Braids are a reliable and convenient grounding solution for applications that require flexibility and durability. The tinned copper ground braids with massivated palms come ready to install without any additional cutting, stripping, crimping or punching and do not require the addition of tinned or crimped lugs. The proprietary manufacturing process optimizes the electrical contact between each wire and helps eliminate moisture issues in the palms, preventing corrosion and lengthening the useful life of the braid.

FEATURES

- Complete range of earth ground, flexible connections from 6 - 100 mm² (11.84 - 197.35 kcmil) cross section and from 100 - 500 mm (3.94 - 19.69) length
- Integral palm without tinned or crimped lugs for superior electrical contact and tensile strength resistance
- Resistant to vibration and fatigue, reducing maintenance
- Provides weight savings, material savings and lower impedance when compared to similar lugged cables with insulation
- Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching
- Quick and easy to install
- Recommended by the EMC/EMI directives and less impedance than cables
- RoHS compliant

BULLETIN: ERI3

Hoffman

Standard Product

Catalog Number	Intensity	Cross Section (kcmil)	T (in.)	T (mm)	L (in.)	L (mm)	Ø HS (in.)	Ø HS (mm)	A (in.)	A (mm)	B (in.)	B (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
MBJ61506	40 A	11.84	.043	1.09	5.906	150	.256	6.50	.433	11	.709	18	.02	.01	10
MBJ62006	40 A	11.84	.043	1.09	7.874	200	.256	6.50	.433	11	.709	18	.04	.02	10
MBJ102006	75 A	19.74	.043	1.09	7.874	200	.256	6.50	.433	11	.709	18	.05	.02	10
MBJ103006	75 A	19.74	.043	1.09	11.811	300	.256	6.50	.433	11	.709	18	.07	.03	10
MBJ161006	120 A	31.57	.059	1.50	3.937	100	.256	6.50	.591	15	.787	20	.04	.02	10
MBJ161008	120 A	31.57	.059	1.50	3.937	100	.335	8.51	.591	15	.787	20	.04	.02	10
MBJ161506	120 A	31.57	.059	1.50	5.906	150	.256	6.50	.591	15	.787	20	.08	.04	10
MBJ161508	120 A	31.57	.059	1.50	5.906	150	.335	8.51	.591	15	.787	20	.08	.04	10
MBJ162006	120 A	31.57	.059	1.50	7.874	200	.256	6.50	.591	15	.787	20	.07	.03	10
MBJ162008	120 A	31.57	.059	1.50	7.874	200	.335	8.51	.591	15	.787	20	.07	.03	10
MBJ162508	120 A	31.57	.059	1.50	9.843	250	.335	8.51	.591	15	.787	20	.09	.04	10
MBJ163006	120 A	31.57	.059	1.50	11.811	300	.256	6.50	.591	15	.787	20	.11	.05	10
MBJ163008	120 A	31.57	.059	1.50	11.811	300	.335	8.51	.591	15	.787	20	.11	.05	10
MBJ165008	120 A	31.57	.059	1.50	19.685	500	.335	8.51	.591	15	.787	20	.18	.08	10
MBJ2510010	150 A	49.34	.059	1.50	3.937	100	.413	10.50	.866	22	1.102	28	.06	.03	10
MBJ2515010	150 A	49.34	.059	1.50	5.906	150	.413	10.50	.866	22	1.102	28	.09	.04	10
MBJ252006	150 A	49.34	.059	1.50	7.874	200	.256	6.50	.866	22	1.102	28	.11	.05	10
MBJ2520010	150 A	49.34	.059	1.50	7.874	200	.413	10.50	.866	22	1.102	28	.11	.05	10
MBJ2520012	150 A	49.34	.059	1.50	7.874	200	.492	12.50	.866	22	1.102	28	.11	.05	10
MBJ2525010	150 A	49.34	.059	1.50	9.843	250	.413	10.50	.866	22	1.102	28	.14	.06	10
MBJ2530010	150 A	49.34	.059	1.50	11.811	300	.413	10.50	.866	22	1.102	28	.17	.08	10
MBJ2550010	150 A	49.34	.059	1.50	19.685	500	.413	10.50	.866	22	1.102	28	.29	.13	10
MBJ3010010	180 A	59.20	.079	2.00	3.937	100	.413	10.50	.866	22	1.102	28	.07	.03	10
MBJ3015010	180 A	59.20	.079	2.00	5.906	150	.413	10.50	.866	22	1.102	28	.10	.05	10
MBJ3020010	180 A	59.20	.079	2.00	7.874	200	.413	10.50	.866	22	1.102	28	.14	.06	10
MBJ3025010	180 A	59.20	.079	2.00	9.843	250	.413	10.50	.866	22	1.102	28	.17	.08	10
MBJ3030010	180 A	59.20	.079	2.00	11.811	300	.413	10.50	.866	22	1.102	28	.20	.09	10
MBJ3050010	180 A	59.20	.079	2.00	19.685	500	.413	10.50	.866	22	1.102	28	.34	.16	10
MBJ3525025	197 A	69.07	.059	1.50	9.843	250	1.004	25.50	1.575	40	1.772	45	.20	.09	10
MBJ3510010	197 A	69.07	.083	2.11	3.937	100	.413	10.50	.866	22	1.102	28	.08	.04	10
MBJ3515010	197 A	69.07	.083	2.11	5.906	150	.413	10.50	.866	22	1.102	28	.12	.05	10
MBJ3520010	197 A	69.07	.083	2.11	7.874	200	.413	10.50	.866	22	1.102	28	.16	.07	10
MBJ3525010	197 A	69.07	.083	2.11	9.843	250	.413	10.50	.866	22	1.102	28	.12	.09	10
MBJ3530010	197 A	69.07	.083	2.11	11.811	300	.413	10.50	.866	22	1.102	28	.24	.11	10
MBJ3550010	197 A	69.07	.083	2.11	19.685	500	.413	10.50	.866	22	1.102	28	.40	.18	10
MBJ5010010	250 A	98.68	.098	2.50	3.937	100	.413	10.50	1.102	28	1.300	33	.11	.05	10
MBJ5015010	250 A	98.68	.098	2.50	5.906	150	.413	10.50	1.102	28	1.300	33	.17	.08	10
MBJ502006	250 A	98.68	.098	2.50	7.874	200	.256	6.50	1.102	28	1.300	33	.26	.12	10
MBJ5020010	250 A	98.68	.098	2.50	7.874	200	.413	10.50	1.102	28	1.300	33	.26	.12	10
MBJ5020012	250 A	98.68	.098	2.50	7.874	200	.492	12.50	1.102	28	1.300	33	.26	.12	10
MBJ5020016	250 A	98.68	.098	2.50	7.874	200	.650	16.51	1.102	28	1.300	33	.24	.11	10
MBJ5020018	250 A	98.68	.098	2.50	7.874	200	.728	18.50	1.102	28	1.300	33	.24	.11	10
MBJ5025010	250 A	98.68	.098	2.50	9.843	250	.413	10.50	1.102	28	1.300	33	.28	.13	10
MBJ503006	250 A	98.68	.098	2.50	11.811	300	.256	6.50	1.102	28	1.300	33	.33	.15	10
MBJ5030010	250 A	98.68	.098	2.50	11.811	300	.413	10.50	1.102	28	1.300	33	.34	.15	10
MBJ5030016	250 A	98.68	.098	2.50	11.811	300	.650	16.51	1.102	28	1.300	33	.33	.15	10
MBJ5030018	250 A	98.68	.098	2.50	11.811	300	.728	18.50	1.102	28	1.300	33	.31	.14	10
MBJ5050010	250 A	98.68	.098	2.50	19.685	500	.413	10.50	1.102	28	1.300	33	.56	.26	10
MBJ5050012	250 A	98.68	.098	2.50	19.685	500	.492	12.50	1.102	28	1.300	33	.56	.26	10
MBJ7030022	290 A	138.15	.110	2.79	11.811	300	.886	22.50	1.575	40	1.772	45	.44	.20	10
MBJ703006	290 A	138.15	.133	3.38	11.811	300	.256	6.50	1.102	28	1.300	33	.46	.21	10
MBJ7030010	290 A	138.15	.133	3.38	11.811	300	.413	10.50	1.102	28	1.300	33	.46	.21	10
MBJ7030012	290 A	138.15	.133	3.38	11.811	300	.492	12.50	1.102	28	1.300	33	.46	.21	10
MBJ7030016	290 A	138.15	.133	3.38	11.811	300	.650	16.51	1.102	28	1.300	33	.44	.20	10
MBJ7050010	290 A	138.15	.133	3.38	19.685	500	.413	10.50	1.102	28	1.300	33	.75	.34	10
MBJ10025016	349 A	197.35	.157	4.00	9.843	250	.650	16.51	1.969	50	2.165	55	.56	.25	10
MBJ10025030	349 A	197.35	.157	4.00	9.843	250	1.201	30.50	1.969	50	2.165	55	.56	.25	10
MBJ10050016	349 A	197.35	.157	4.00	19.685	500	.650	16.51	1.969	50	2.165	55	1.12	.51	10
MBJ10050030	349 A	197.35	.157	4.00	19.685	500	1.201	30.50	1.969	50	2.165	55	1.12	.51	10

CPI GROUNDING AND BONDING BRAID, STAINLESS STEEL

FEATURES

- Superior abrasion, corrosion, chemical and UV resistance make CPI braids ideal for outdoor applications
- Great for expansion joints where constant movement requires a flexible and durable solution
- Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching
- Quick and easy to install
- Resistant to vibration and fatigue, reducing maintenance
- Will not rust or discolor, so the appearance will never fade or change
- Excellent electrical contact
- No additional lugs or terminals needed
- Non-magnetic material
- Recommended by the EMC/EMI directives
- Performs to the class C5 (very high) category as per ISO 12944-2
- RoHS compliant

INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL Listed per CSA C22.2 No. 41; File No. E220029

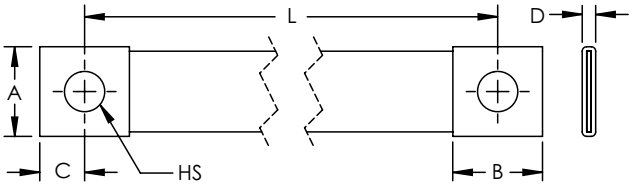
CE
ABS; Cert No. 13-HS1018106-1-PDA
EAC; Cert No. 7413000009
Complies With: IEC 60439.1; IEC 61439.1

APPLICATION

High-quality CPI stainless steel grounding and bonding braids can be installed in extremely corrosive environments, like offshore applications or coastal applications. The full range of CPI braids are ideal for applications using stainless steel pipe or tanks, like the food and beverage industry, building industry, transportation, oil and chemical industry.
Hoffman offers 316L stainless steel braids and lugs, one of the highest resistant stainless steel options on the market. Proprietary manufacturing process has been optimized to provide the best braiding, crimping, cutting and punching.

SPECIFICATIONS

- Material: Stainless Steel 316L (EN 1.4404)



BULLETIN: ERI3

Catalog Number	Cross Section (kcmil)	Ø HS (in.)	Ø HS (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CPI161508	31.57	.34	8.5	5.91	150	.69	17.5	.79	20	.39	10	.12	3	.07	.03	10
CPI162008	31.57	.34	8.5	7.87	200	.69	17.5	.79	20	.39	10	.12	3	.08	.04	10
CPI162508	31.57	.34	8.5	9.84	250	.69	17.5	.79	20	.39	10	.12	3	.10	.04	10
CPI163008	31.57	.34	8.5	11.81	300	.69	17.5	.79	20	.39	10	.12	3	.11	.05	10
CPI164008	31.57	.34	8.5	15.75	400	.69	17.5	.79	20	.39	10	.12	3	.14	.06	10
CPI166008	31.57	.34	8.5	23.62	600	.69	17.5	.79	20	.39	10	.12	3	.19	.09	10
CPI2515010	49.34	.41	10.5	5.91	150	1.04	26.5	1.18	30	.59	15	.14	3.5	.13	.06	10
CPI2520010	49.34	.41	10.5	7.87	200	1.04	26.5	1.18	30	.59	15	.14	3.5	.15	.07	10
CPI2525010	49.34	.41	10.5	9.84	250	1.04	26.5	1.18	30	.59	15	.14	3.5	.17	.08	10
CPI2530010	49.34	.41	10.5	11.81	300	1.04	26.5	1.18	30	.59	15	.14	3.5	.19	.09	10
CPI2540010	49.34	.41	10.5	15.75	400	1.04	26.5	1.18	30	.59	15	.14	3.5	.24	.11	10
CPI2560010	49.34	.41	10.5	23.62	600	1.04	26.5	1.18	30	.59	15	.14	3.5	.32	.15	10
CPI3515012	69.07	.51	13	5.91	150	1.04	26.5	1.18	30	.59	15	.16	4	.16	.07	10
CPI3520012	69.07	.51	13	7.87	200	1.04	26.5	1.18	30	.59	15	.16	4	.19	.08	10
CPI3525012	69.07	.51	13	9.84	250	1.04	26.5	1.18	30	.59	15	.16	4	.22	.10	10
CPI3530012	69.07	.51	13	11.81	300	1.04	26.5	1.18	30	.59	15	.16	4	.25	.11	10
CPI3540012	69.07	.51	13	15.75	400	1.04	26.5	1.18	30	.59	15	.16	4	.31	.14	10
CPI3560012	69.07	.51	13	23.62	600	1.04	26.5	1.18	30	.59	15	.16	4	.43	.20	10
CPI5015012	98.68	.51	13	5.91	150	1.18	30	1.18	30	.59	15	.16	4	.25	.11	10
CPI5020012	98.68	.51	13	7.87	200	1.18	30	1.18	30	.59	15	.20	5	.29	.13	10
CPI5025012	98.68	.51	13	9.84	250	1.18	30	1.18	30	.59	15	.20	5	.33	.15	10
CPI5030012	98.68	.51	13	11.81	300	1.18	30	1.18	30	.59	15	.20	5	.38	.17	10
CPI5040012	98.68	.51	13	15.75	400	1.18	30	1.18	30	.59	15	.20	5	.46	.21	10
CPI5060012	98.68	.51	13	23.62	600	1.18	30	1.18	30	.59	15	.20	5	.64	.29	10
CPI70110012	138.15	.51	13	43.31	1100	1.18	30	1.18	30	.59	15	.23	6	1.46	.66	10
CPI7015012	138.15	.51	13	5.91	150	1.18	30	1.18	30	.59	15	.23	6	.31	.14	10
CPI7020012	138.15	.51	13	7.87	200	1.18	30	1.18	30	.59	15	.23	6	.37	.17	10
CPI7025012	138.15	.51	13	9.84	250	1.18	30	1.18	30	.59	15	.23	6	.43	.20	10
CPI7030012	138.15	.51	13	11.81	300	1.18	30	1.18	30	.59	15	.23	6	.49	.22	10
CPI7040012	138.15	.51	13	15.75	400	1.18	30	1.18	30	.59	15	.23	6	.61	.28	10
CPI7060012	138.15	.51	13	23.62	600	1.18	30	1.18	30	.59	15	.23	6	.86	.39	10
CPI7080012	138.15	.51	13	31.50	800	1.18	30	1.18	30	.59	15	.23	6	1.10	.50	10

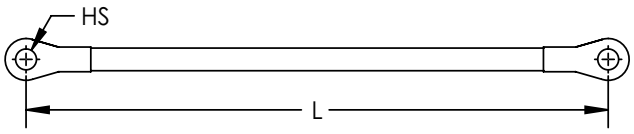
BJ ROUND BRAID WITH CRIMPED LUGS

SPECIFICATIONS

- Material: Copper
- Working Temperature: 221 F (105 C) Max

FINISH

Finish: Tinned



BULLETIN: ERI3

INDUSTRY STANDARDS

EAC; Cert No. 7413000009 and 8536900100

FEATURES

- Ready to use out of the box, saving installation time and labor
- Allows for bending very close to the contact area
- RoHS compliant

Catalog Number	Intensity	Cross Section (kcmil)	L (in.)	L (mm)	Ø HS (in.)	Ø HS (mm)	Wire Diameter (in.)	Wire Diameter (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
BJ6150S	45 A	11.84	5.91	150	.26	6.5	.006	.15	.02	.01	10
BJ6200S	45 A	11.84	7.87	200	.26	6.5	.006	.15	.03	.02	10
BJ10300S	75 A	19.74	11.81	300	.26	6.5	.006	.15	.07	.03	10

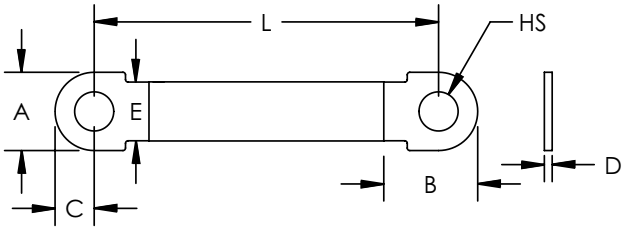
CPIW GROUNDING AND BONDING BRAID, STAINLESS STEEL FOR LARGE BOLTS

FEATURES

- Superior abrasion, corrosion, chemical and UV resistance make CPIW braids ideal for outdoor applications
- Covering from M20 (3/4-10) up to M42 (1 1/2-6) bolt fixation point
- Great for expansion joints where constant movement requires a flexible and durable solution
- Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching
- Quick and easy to install
- Resistant to vibration and fatigue, reducing maintenance
- Will not rust or discolor, so the appearance will never fade or change
- Excellent electrical contact
- No additional lugs or terminals needed
- Non-magnetic material
- Recommended by the EMC/EMI directives
- Performs to the class C5 (very high) category as per ISO 12944-2
- RoHS compliant

SPECIFICATIONS

- Material: Stainless Steel 316L (EN 1.4404)



BULLETIN: ERI3

INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL Listed per CSA C22.2 No. 41; File No. E220029

Complies With: IEC 60439.1; IEC 61439.1

APPLICATION

High-quality CPIW stainless steel grounding and bonding braids can be installed in extremely corrosive environments, like offshore applications or coastal applications. The full range of CPIW braids are ideal for applications using stainless steel pipe or tanks, like the food and beverage industry, building industry, transportation, oil and chemical industry.

ERIFLEX offers 316L stainless steel braids, one of the highest resistant stainless steel options on the market. Our proprietary manufacturing process has been optimized to provide the best braiding, welding and connecting palm.

Catalog Number	Cross Section (kcmil)	L (in.)	L (mm)	Ø HS (in.)	Ø HS (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	E (in.)	E (mm)	Unit Weight (lb.)	Unit Weight (kg)	Min. Order Qty.
CPIW5020020B	98.68	7.87	200	.82	21	1.65	42	2.01	51	.83	21	.12	3	1.18	30	.28	.13	50
CPIW5020024B	98.68	7.87	200	.99	25	2.05	52	2.44	62	1.02	26	.12	3	1.18	30	.34	.15	50
CPIW5025020B	98.68	9.84	250	.82	21	1.65	42	2.01	51	.83	21	.12	3	1.18	30	.33	.15	50
CPIW5025024B	98.68	9.84	250	.99	25	2.05	52	2.44	62	1.02	26	.12	3	1.18	30	.39	.18	50
CPIW5025027B	98.68	9.84	250	1.10	28	2.28	58	2.72	69	1.14	29	.12	3	1.18	30	.43	.20	50
CPIW5025030B	98.68	9.84	250	1.22	31	2.44	62	2.91	74	1.22	31	.12	3	1.18	30	.46	.20	50
CPIW5030020B	98.68	11.81	300	.82	21	1.65	42	2.01	51	.83	21	.12	3	1.18	30	.44	.20	50
CPIW5030024B	98.68	11.81	300	.99	25	2.05	52	2.44	62	1.02	26	.12	3	1.18	30	.46	.20	50
CPIW5030027B	98.68	11.81	300	1.10	28	2.28	58	2.72	69	1.14	29	.12	3	1.18	30	.49	.22	50
CPIW5030030B	98.68	11.81	300	1.22	31	2.44	62	2.91	74	1.22	31	.12	3	1.18	30	.50	.23	50
CPIW5030033B	98.68	11.81	300	1.34	34	2.68	68	3.07	78	1.34	34	.12	3	1.18	30	.54	.25	50
CPIW5030039B	98.68	11.81	300	1.57	40	3.07	78	3.50	89	1.54	39	.12	3	1.18	30	.63	.29	50
CPIW5030042B	98.68	11.81	300	1.69	43	3.23	82	3.70	94	1.61	41	.12	3	1.18	30	.66	.30	50
CPIW5040033B	98.68	15.75	400	1.34	34	2.68	68	3.07	78	1.34	34	.12	3	1.18	30	.64	.29	50
CPIW5040039B	98.68	15.75	400	1.57	40	3.07	78	3.50	89	1.54	39	.12	3	1.18	30	.72	.33	50
CPIW5040042B	98.68	15.75	400	1.69	43	3.23	82	3.70	94	1.61	41	.12	3	1.18	30	.76	.34	50
CPIW7020020B	138.15	7.87	200	.82	21	1.65	42	2.01	51	.83	21	.12	3	1.18	30	.33	.15	50
CPIW7020024B	138.15	7.87	200	.99	25	2.05	52	2.44	62	1.02	26	.12	3	1.18	30	.39	.18	50
CPIW7025020B	138.15	9.84	250	.82	21	1.65	42	2.01	51	.83	21	.12	3	1.18	30	.39	.18	50
CPIW7025024B	138.15	9.84	250	.99	25	2.05	52	2.44	62	1.02	26	.12	3	1.18	30	.45	.20	50
CPIW7025027B	138.15	9.84	250	1.10	28	2.28	58	2.72	69	1.14	29	.12	3	1.18	30	.49	.22	50
CPIW7025030B	138.15	9.84	250	1.22	31	2.44	62	2.91	74	1.22	31	.12	3	1.18	30	.51	.23	50
CPIW7030030B	138.15	11.81	300	1.22	31	2.44	62	2.91	74	1.22	31	.12	3	1.18	30	.58	.26	50
CPIW7030033B	138.15	11.81	300	1.34	34	2.68	68	3.07	78	1.34	34	.12	3	1.18	30	.61	.28	50
CPIW7030039B	138.15	11.81	300	1.57	40	3.07	78	3.50	89	1.54	39	.12	3	1.18	30	.70	.32	50
CPIW7030042B	138.15	11.81	300	1.69	43	3.23	82	3.70	94	1.34	34	.12	3	1.18	30	.73	.33	50
CPIW7040020B	138.15	15.75	400	.82	21	1.65	42	2.01	51	.83	21	.12	3	1.18	30	.58	.26	50
CPIW7040033B	138.15	15.75	400	1.34	34	2.68	68	3.07	78	1.34	34	.12	3	1.18	30	.74	.34	50
CPIW7040039B	138.15	15.75	400	1.57	40	3.07	78	3.50	89	1.54	39	.12	3	1.18	30	.82	.37	50
CPIW7040042B	138.15	15.75	400	1.69	43	3.23	82	3.70	94	1.61	41	.12	3	1.18	30	.86	.39	50

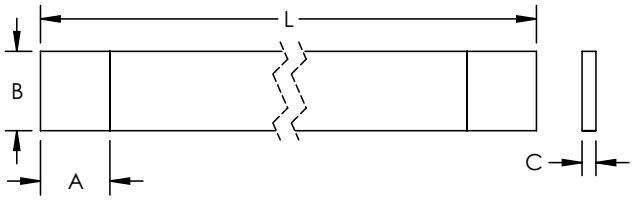
PBC BRAIDED POWER SHUNTS

SPECIFICATIONS

- Wire Diameter: 0.006 (.15 mm)
- Material: Copper

FINISH

Finish: Tinned



INDUSTRY STANDARDS

EAC; Cert No. 7413000009

BULLETIN: ERI3

FEATURES

- Ideal for transformer-busduct link
- Undrilled palms can be customize by power press to fit customer specific designs
- Extra flexible power connection and good resistance to vibration
- RoHS compliant

Catalog Number	Cross Section (kcmil)	.T 30 K (A)	.T 50 K (A)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	2 Bar Current Coefficient	Standard Package Qty.
PBC100X250	197.35	349	462	9.84	250	1.38	35	1.58	40	.28	7	1.72	2
PBC100X500	197.35	349	462	19.70	500	1.38	35	1.58	40	.28	7	1.72	2
PBC120X250	236.82	385	511	9.84	250	1.38	35	1.58	40	.30	8	1.72	2
PBC150X250	296.03	440	583	9.84	250	2.17	55	1.97	50	.32	8	1.72	2
PBC150X500	296.03	440	583	19.70	500	2.17	55	1.97	50	.32	8	1.72	2
PBC200X250	394.70	550	729	9.84	250	2.17	55	1.97	50	.35	9	1.72	2
PBC200X500	394.70	550	729	19.70	500	2.17	55	1.97	50	.35	9	1.72	2
PBC250X300	493.38	651	863	11.80	300	3.35	85	1.97	50	.41	10	1.72	2
PBC300X400	592.06	716	948	15.75	400	3.35	85	2.36	60	.43	11	1.65	2
PBC400X400	789.41	853	1,131	15.75	400	3.35	85	3.15	80	.43	11	1.60	2
PBC500X400	986.76	917	1,216	15.75	400	4.13	105	3.94	100	.43	11	1.65	2
PBC600X450	1,184.12	1,101	1,459	17.70	500	4.13	105	3.94	100	.51	13	1.60	2
PBC800X450	1,578.82	1,376	1,823	17.70	500	4.13	105	3.94	100	.55	14	1.60	2
PBC1000X450	1,973.52	1,651	2,188	17.70	500	4.13	105	3.94	100	.63	16	1.60	2
PBC1200X500	2,368.23	1,982	2,626	19.70	500	4.92	125	4.72	120	.69	18	1.60	2

When used in parallel, the two shunts must be spaced with a minimum distance equal to the thickness of the shunt to allow air cooling.

FTCB FLAT BRAID IN COIL, TINNED COPPER

INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL Listed per CSA C22.2 No. 41; File No. E220029

EAC; Cert No. 7413000009

FEATURES

- RoHS compliant

SPECIFICATIONS

- Material: copper

FINISH

- Finish: Tinned

BULLETIN: ERI3

Wire Diameter: 0.006 in. (.15mm)

Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Length (ft.)	Length (m)	Thickness (in.)	Thickness (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)
FTCB153	30	5.92	168	82	25	.04	1	.20	5	.07	.03
FTCB155	45	9.87	288	82	25	.04	1	.30	8	.11	.05
FTCB158	65	15.78	456	82	25	.06	1.5	.30	8	.18	.08
FTCB1510	75	19.74	576	82	25	.06	1.5	.40	10	.22	.10
FTCB1516	120	31.57	896	82	25	.06	1.5	.60	15	.35	.16
FTCB1520	140	39.47	1,120	82	25	.06	1.5	.80	20	.44	.20
FTCB1525	150	49.34	1,404	82	25	.06	1.5	.90	23	.55	.25
FTCB1530	180	59.20	1,692	82	25	.08	2	.90	23	.66	.30
FTCB1535	200	69.07	1,980	82	25	.10	2.5	.90	23	.77	.35
FTCB1540	220	78.94	2,272	82	25	.10	2.5	1.00	25	.88	.40
FTCB1550	250	98.68	2,848	82	25	.12	3	1.10	28	1.10	.50
FTCB1560	280	118.41	3,392	82	25	.12	3	1.20	30	1.32	.60
FTCB1570	290	138.15	3,968	82	25	.14	3.5	1.20	30	1.54	.70
FTCB1575	300	148.01	4,256	82	25	.16	4	1.20	30	1.65	.75
FTCB15100	360	197.35	5,664	82	25	.16	4	1.60	40	2.20	1.00

Wire Diameter: 0.008 in. (.20mm)

Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Length (ft.)	Length (m)	Thickness (in.)	Thickness (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)
FTCB205	45	9.87	168	1,640	500	.04	1	.30	8	.11	.05
FTCB2010	75	19.74	312	492	150	.06	1.5	.40	10	.22	.10
FTCB2016	120	31.57	512	492	150	.08	2	.60	15	.35	.16
FTCB2025	150	49.34	792	328	100	.06	1.5	1.00	25	.55	.25

Unit weight is per meter (3.28 ft).

FRCB FLAT BRAID IN COIL, PLAIN COPPER

INDUSTRY STANDARDS

EAC; Cert No. 7413000009

FEATURES

- Braids in coil are mainly used for power distribution or earthing applications
- Non-magnetic material
- RoHS compliant

SPECIFICATIONS

Material: Copper

BULLETIN: ERI3

Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Wire Diameter (in.)	Wire Diameter (mm)	Length (ft.)	Length (m)	Thickness (in.)	Thickness (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)
FRCB153	30	5.92	168	.006	.15	82	25	.04	1	.20	5	.07	.03
FRCB155	45	9.87	288	.006	.15	82	25	.04	1	.30	8	.11	.05
FRCB158	65	15.78	456	.006	.15	82	25	.06	1.5	.30	8	.18	.08
FRCB1510	75	19.74	576	.006	.15	82	25	.06	1.5	.40	10	.22	.10
FRCB1516	120	31.57	896	.006	.15	82	25	.06	1.5	.60	15	.35	.16
FRCB1520	140	39.47	1,120	.006	.15	82	25	.06	1.5	.80	20	.44	.20
FRCB1525	150	49.34	1,404	.006	.15	82	25	.06	1.5	.90	23	.55	.25
FRCB1530	180	59.20	1,692	.006	.15	82	25	.08	2	.90	23	.66	.30
FRCB1535	200	69.07	1,980	.006	.15	82	25	.10	2.5	.90	23	.77	.35
FRCB1540	220	78.94	2,272	.006	.15	82	25	.10	2.5	1.00	25	.88	.40
FRCB1550	250	98.68	2,848	.006	.15	82	25	.12	3	1.10	28	1.10	.50
FRCB1570	290	138.15	3,968	.006	.15	82	25	.14	3.5	1.20	30	1.54	.70
FRCB1575	300	148.01	4,256	.006	.15	82	25	.16	4	1.20	30	1.65	.75
FRCB15100	360	197.35	5,664	.006	.15	82	25	.16	4	1.60	40	2.20	1.00

Unit weight is per meter (3.28 ft.).

FTCBI INSULATED FLAT BRAID IN COIL, TINNED COPPER

INDUSTRY STANDARDS

EAC; Cert No. 0234251

FEATURES

- Braids in coil are mainly used for power distribution or earthing applications
- Non-magnetic material
- Tinned finish provides a theft-deterrent appearance
- RoHS compliant

SPECIFICATIONS

- Material: Copper, Polyvinylchloride
- Flammability Rating: UL 94V-0

FINISH

- Finish: Tinned

BULLETIN: ERI3

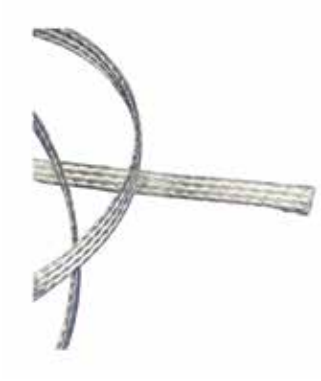
Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Wire Diameter (in.)	Wire Diameter (mm)	Length (ft.)	Length (m)	Thickness (in.)	Thickness (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)
FTCBI16	120	31.57	896	.006	.15	82	25	.14	4	.70	18	.40	.18
FTCBI1516	120	31.57	896	.006	.15	328	100	.14	4	.70	18	.40	.18
FTCBI25	150	49.34	1,404	.006	.15	82	25	.14	4	1.00	25	.64	.29
FTCBI1525	150	49.34	1,404	.006	.15	328	100	.14	4	1.00	25	.64	.29
FTCBI50	200	98.68	2,848	.006	.15	82	25	.20	5	1.20	30	1.32	.60

Unit weight is per meter (3.28 ft.).

Insulation Thickness (in.)	Insulation Thickness (mm)	Insulation Voltage (V)	Temperature (°F Max)	Temperature (°C Max)
.04	1	450	158	70

1

FSSB FLAT BRAID IN COIL, STAINLESS STEEL



INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL Listed per CSA C22.2 No. 41; File No. E220029

EAC; Cert No. 7413000009

FEATURES

- High-quality durable stainless steel 316L provides superior abrasion, corrosion, chemical and UV resistance for outdoor and corrosive applications
- Non-magnetic material
- Durability of product lengthens cycle time between maintenance
- RoHS compliant

SPECIFICATIONS

- Material: Stainless Steel 316L (EN 1.4404)

BULLETIN: ERI3

Catalog Number	Cross Section (kcmil)	Wire Diameter (in.)	Wire Diameter (mm)	Length (ft.)	Length (m)	Thickness (in.)	Thickness (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)
FSSB2516	31.57	.01	.25	82	25	.06	1.5	.60	15	.30	.14
FSSB2525	49.34	.01	.25	82	25	.06	1.5	.90	23	.49	.22
FSSB2550	98.68	.01	.25	82	25	.12	3	1.20	30	.97	.44

Unit weight is per meter (3.28 ft.).

RTCB ROUND BRAID IN COIL, TINNED COPPER

INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL Listed per CSA C22.2 No. 41; File No. E220029

EAC; Cert No. 7413000009

FEATURES

- RoHS compliant

SPECIFICATIONS

- Material: Copper

FINISH

- Finish: Tinned

BULLETIN: ERI3

Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Wire Diameter (in.)	Wire Diameter (mm)	Length (ft.)	Length (m)	Diameter (in.)	Diameter (mm)	Unit Weight (lb.)	Unit Weight (kg)
RTCB156	45	11.84	352	.006	.15	82	25	.157	4	.13	.06
RTCB158	65	15.78	464	.006	.15	82	25	.177	4.5	.18	.08
RTCB1510	75	19.74	560	.006	.15	82	25	.197	5	.22	.10
RTCB1510HL	75	19.74	560	.006	.15	328	100	.197	5	.22	.10
RTCB1516	120	31.57	900	.006	.15	82	25	.236	6	.35	.16
RTCB1516HL	120	31.57	900	.006	.15	328	100	.236	6	.35	.16
RTCB1525	150	49.34	1,416	.006	.15	82	25	.315	8	.55	.25
RTCB1525HL	150	49.34	1,416	.006	.15	328	100	.295	7.5	.55	.25
RTCB1530	180	59.20	1,680	.006	.15	82	25	.354	9	.66	.30
RTCB1550	250	98.68	2,820	.006	.15	82	25	.433	11	1.10	.50
RTCB1575	300	148.01	4,236	.006	.15	82	25	.531	13.5	1.65	.75
RTCB15100	360	197.35	5,652	.006	.15	82	25	.669	17	2.20	1.00

Unit weight is per meter (3.28 ft.).

RRCB ROUND BRAID IN COIL, PLAIN COPPER

INDUSTRY STANDARDS

EAC; Cert No. 7413000009

FEATURES

- Braids in coil are mainly used for power distribution or earthing applications
- Non-magnetic material
- RoHS compliant

SPECIFICATIONS

- Material: Copper

BULLETIN: ERI3

Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Wire Diameter (in.)	Wire Diameter (mm)	Length (ft.)	Length (m)	Diameter (in.)	Diameter (mm)	Unit Weight (lb.)	Unit Weight (kg)
RRCB156	45	11.84	352	.006	.15	82	25	.157	4	.13	.06
RRCB158	65	15.78	464	.006	.15	82	25	.177	4.5	.18	.08
RRCB1510	75	19.74	560	.006	.15	82	25	.197	5	.22	.10
RRCB1516	120	31.57	900	.006	.15	82	25	.236	6	.35	.16
RRCB1525	150	49.34	1,416	.006	.15	82	25	.315	8	.55	.25
RRCB1530	180	59.20	1,680	.006	.15	82	25	.354	9	.66	.30
RRCB1550	250	98.68	2,820	.006	.15	82	25	.433	11	1.10	.50
RRCB1575	300	148.01	4,236	.006	.15	82	25	.551	14	1.65	.75
RRCB15100	360	197.35	5,652	.006	.15	82	25	0.709	18	2.20	1.00

Unit weight is per meter (3.28 ft.).

1

RRCBI INSULATED ROUND BRAID IN COIL, PLAIN COPPER

INDUSTRY STANDARDS
EAC; Cert No. 0234251

FEATURES
- RoHS compliant

SPECIFICATIONS
- Material: Copper, Polyvinylchloride
- Flammability Rating: UL 94V-0

BULLETIN: ERI3

Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Wire Diameter (in.)	Wire Diameter (mm)	Length (ft.)	Length (m)	Diameter (in.)	Diameter (mm)	Unit Weight (lb.)	Unit Weight (kg)
RRCBI1510	75	19.74	560	.006	.15	82	25	.276	7	.22	.10
RRCBI1516	120	31.57	900	.006	.15	82	25	.315	8	.35	.16

Insulation Thickness (in.)	Insulation Thickness (mm)	Insulation Voltage (V)	Temperature (°F Max)	Temperature (°C Max)
0.04	1	450	158	70

Unit weight is per meter (3.28 ft.).

RTCBI INSULATED ROUND BRAID IN COIL, TINNED COPPER

INDUSTRY STANDARDS
EAC; Cert No. 0234251

FEATURES
- RoHS compliant

SPECIFICATIONS
- Material: Copper, Polyvinylchloride
- Flammability Rating: UL 94V-0

FINISH
- Finish: Tinned

BULLETIN: ERI3

Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Wire Diameter (in.)	Wire Diameter (mm)	Length (ft.)	Length (m)	Diameter (in.)	Diameter (mm)	Unit Weight (lb.)	Unit Weight (kg)
RTCBI1510	75	19.74	560	.006	.15	82	25	.276	7	.27	.12
RTCBI1510HL	75	19.74	560	.006	.15	328	100	.276	7	.27	.12
RTCBI1516	120	31.57	900	.006	.15	82	25	.315	8	.40	.18
RTCBI1516HL	120	31.57	900	.006	.15	328	100	.315	8	.40	.18
RTCBI1525	150	49.34	1,416	.006	.15	82	25	.374	9.5	.55	.25
RTCBI1530	180	59.20	1,680	.006	.15	82	25	.394	10	.77	.35
RTCBI1550	250	98.68	2,820	.006	.15	82	25	.492	12.5	1.28	.58

Insulation Thickness (in.)	Insulation Thickness (mm)	Insulation Voltage (V)	Temperature (°F Max)	Temperature (°C Max)
0.04	1	450	158	70

Unit weight is per meter (3.28 ft.).

TTCE TUBULAR BRAID IN COIL, TINNED COPPER

INDUSTRY STANDARDS

EAC; Cert No. 7413000009

APPLICATION

The primary use of tubular braid is to provide sensitive cables with an EMC/EMI screen to shield them against electromagnetic, electrostatic and radio frequency interference. Optimum screening performance is obtained using copper wire braid that can also be used for earth continuity purposes.

FEATURES

- For screening connecting cables between equipment used in an electromagnetically disturbed environment
- Supplied with draw wire
- RoHS compliant

SPECIFICATIONS

- Material: Copper

FINISH

- Finish: Tinned

BULLETIN: ERI3

Catalog Number	Nominal Current (A)	Cross Section (kcmil)	Number of Wires	Wire Diameter (in.)	Wire Diameter (mm)	Length (ft.)	Length (m)	Unit Weight (lb.)	Unit Weight (kg)
TTCE3	13	3.35	96	.006	.15	164	50	.04	.02
TTCE5	19	4.93	144	.006	.15	164	50	.06	.03
TTCE8	37	8.88	252	.006	.15	164	50	.11	.05
TTCE8HL	37	13.41	216	.008	.20	656	200	.11	.05
TTCE10	43	11.25	320	.006	.15	164	50	.12	.05
TTCE15	90	23.68	334	.008	.20	164	50	.27	.12
TTCE20	122	40.26	288	.012	.30	164	50	.42	.19
TTCE25	163	53.48	384	.012	.30	82	25	.60	.27
TTCE30	185	66.90	480	.012	.30	82	25	.70	.32
TTCE35	244	80.32	576	.012	.30	82	25	.83	.38

Coverage Efficiency

Catalog Numbers	Diameter Nominal (in.)	Diameter Nominal (mm)	Diameter Coverage (%)	Diameter Maximum (in.)	Diameter Maximum (mm)	Diameter Coverage (%)
TTCE3	.12	3	100	.24	6	90
TTCE5	.20	5	99	.39	10	92
TTCE8	.31	8	99	.63	16	95
TTCE8HL	.31	8	99	.63	16	95
TTCE10	.39	10	100	.79	20	92
TTCE15	.59	15	100	1.18	30	94
TTCE20	.79	20	99	1.57	40	87
TTCE25	.98	25	99	1.97	50	92
TTCE30	1.18	30	100	2.36	60	90
TTCE35	1.38	35	100	2.76	70	94

Unit weight is per meter (3.28 ft.).

1

BD CRIMP AND DRILL TOOL

FEATURES

- For crimping and drilling of braid terminals
- Use with FRCB Flat Braid in Coil, Plain Copper and FTCB Flat Braid in Coil, Tinned Copper
- Includes guide and drill bit
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Cross Section (kcmil)	Drill Bit Diameter (in.)	Drill Bit Diameter (mm)	Screw Diameter	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
BD16	31.57	1/4	6.5	M6	1.44	.65	1
BD168	31.57	21/64	8.5	M8	1.44	.65	1
BD25	49.30	7/16	11.0	M10	1.49	.68	1
BD50	98.68	1/2	12.5	M12	1.57	.71	1

BRAID CRIMPING TOOL KIT

INDUSTRY STANDARDS

EAC; Cert No. 8462399100

FEATURES

- Crimps PB lugs on braids using the Hydraulic ERIFLEX FLEXIBAR and Busbar Puncher
- Crimps braids and lugs flat and to a consistent thickness
- Kit includes one punch and two dies to accomodate all PB lug sizes
- Quick and easy setup without tools
- RoHS compliant

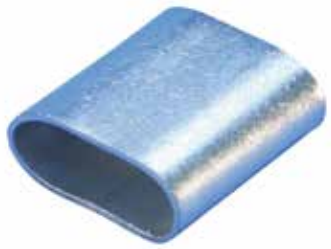
SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
HTC34	4.09	1.86	1

PB LUG FOR FLAT BRAIDS

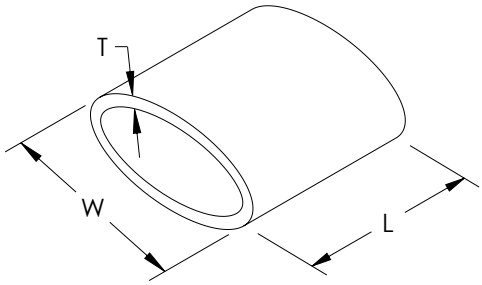


SPECIFICATIONS

- Material: Copper

FINISH

- Finish: Tinned



FEATURES

- Crimp to FTCB or FRCB braids to create custom flexible connections
- Crimped and drilled using BD Crimp and Drill Tool or Crimping Tool for Hydraulic Work Center
- RoHS compliant

BULLETIN: ERI3

Catalog Number	Cross Section (kcmil)	W (in.)	W (mm)	L (in.)	L (mm)	T (in.)	T (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
PALM16	31.57	.63	16	.59	15	.04	1	.008	.004	100
PALM25	49.34	.87	22	.98	25	.04	1	.022	.010	100
PALM50	98.68	1.18	30	1.18	30	.04	1	.034	.017	100

PENTAIR

Hoffman

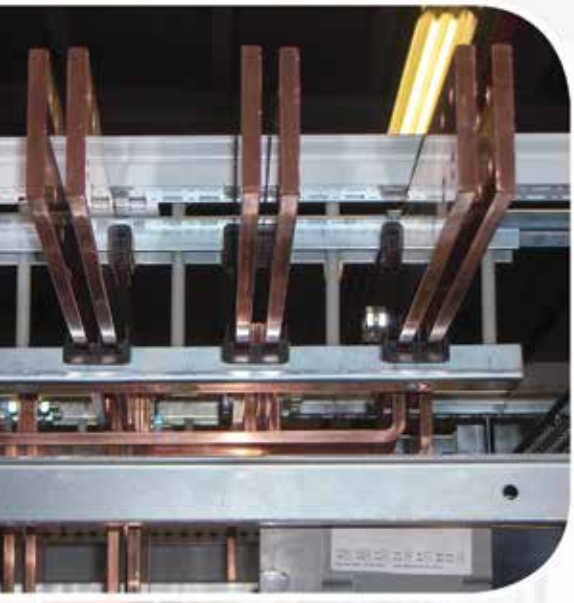
CHAPTER 2
POWER AND GROUND CONNECTIONS

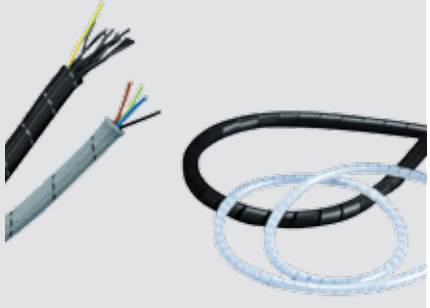
GROUNDING PARTS

- Quick and easy connections
- Large and versatile range
- Connections from 0.10 to 1.38 (2.54 to 35.05 mm)

LOW VOLTAGE INSULATORS

- Wide range of sizes from 1 inch (25 mm) to 3.5 inches (89 mm)
- Cost effective
- High resistance to leakage current





CABELING SLEEVES

- Expandable cabling sleeves for many applications
- Wiring mechanical protection aesthetic
- Packed in easy dispense boxes

CHAPTER CONTENTS

POWER AND GROUND CONNECTIONS OVERVIEW

Power and Ground Connections Product Overview 52

COPPER BUSBARS

PCB Plain Copper Busbar 53
DPCB Punched Plain Copper Busbar, Single 54
DPCB Punched Plain Copper Busbar, Double. 54
TCB Threaded Busbar 55
TCB Threaded Busbar With Fixing Slot 55
TCB Threaded Busbar With Fixing Hole. 56
TCBW Threaded Busbar, W-Thread 56
BMS Bimetal Plate 57
XM5 Threaded Busbar Connector 57

CONNECTING CLAMPS AND ACCESSORIES

FC ERIFLEX FLEXIBAR to Busbar Clamp 58
BC Ribbed Steel Busbar Clamp. 59
HCBC High Current Busbar Clamp. 60
FBC FLEXIBAR/Cable to Busbar Clamp 61
CONT-Kit Nuts and Bolts Contact Kits 62

CONNECTING BAR

Universal Connecting Bar 63

GROUNDING PARTS

EB-44, Earthing and Neutral Busbars. 64
EB-60 Earthing and Neutral Busbar 65
EB-20 Earthing and Neutral Busbar 66
EB-12 Earthing and Neutral Busbar. 67
EB-36 Earthing and Neutral Busbar 67
EB-168 Earthing and Neutral Busbar. 68
EC16 Earthing/Grounding Connector. 69
EC35 Earthing/Grounding Connector. 70
Mounting Clip for Plain Busbar. 71
EC-450 Earthing/Grounding Kit. 71
EBB-KDR Neutral Busbar DIN Rail Mounting Kit. 72
EBB-KP Neutral Busbar Two Bar Mounting Kit 72

BUSBAR SUPPORTS

FBS Flat Busbar Supports. 73
FBSS Flat Busbar Supports. 74
UCFBS-60-T Busbar Supports. 75
UCFBS-60-TN Busbar Supports. 76
CFBS-100-T Flat Busbar Supports 77
CFBS Flat Busbar Support Clips 77
Adjustable Flat Busbar Support Rail. 78
Adjustable Flat Busbar Support Insulator. 78
Adjustable Flat Busbar Support Kit 79
Compact Busbar Support with Neutral Circuit 80
Reinforced Compact Busbar Support with Neutral Circuit 81
Compact and Adjustable Busbar Supports (CABS) 82
CABS Module Kit, UL. 84
CABS Module Kit with Neutral Circuit, UL. 85
CABS Aluminum Profile, UL 86
CABS-E Bracket, UL 87
CABS-M Bracket, UL. 88
CABS-T Bracket, UL 89
CABS Hardware Kit, UL. 90
CABS with Neutral Circuit Hardware Kit, UL 91
CABS Busbar Support Kit 92
CABS-APP Aluminum Profile 93
CABS Module Kit with Neutral Circuit. 93
CABS Module Kit. 94
CABS-BT Bracket 95
CABS-E Bracket 95
CABS-M Bracket. 96
CABS-RV Bracket 96
CABS-SV Bracket 97
CABS-T Bracket Kit. 97
CABS-TH Bracket Kit. 98
CABS Fixing Kit. 98
Universal Busbar Supports 100
Universal Busbar Support with Neutral Circuit 101
Universal Busbar Support, High Ampacity. 102
Universal Busbar Support with Neutral Circuit, High Ampacity 103
Adjustable Busbar Support (ABS) Selection Options. . . 104
ABS Adjustable Busbar Support Insulator Module 105
ABS Adjustable Busbar Support High Ampacity Kit. . . . 105
ABS Adjustable Busbar Support Perforated Profile . . . 106
ABS Adjustable Busbar Support Profile 106
ABS Adjustable Busbar Support Profile Stiffener. 107
ABS Adjustable Busbar Support ERIFLEX ERILINK Adaptor 107

INSULATORS

ISO Low Voltage Insulators, Imperial Thread 108
ISOBOLT Low Voltage Insulator Mounting Kit 109
ISO-TP Low Voltage Insulators, Metric Thread 110
ISO-TP Low Voltage Male/Female Insulators 112

SLEEVES

PDBS Polyamide Braided Sleeve. 113
ERIFLEX SPIRFLEX Spiral Sleeve. 114
ERIFLEX ZIPFLEX Sleeve 114
FGBS Fiberglass Braided Sleeve. 115
SBS Isolating Silicone Sleeve. 115

DIN PROFILES

DR Symmetric Profile 116
DRG Asymmetric Profile 116
PDR Perforated Symmetric Profile 117
PDRG Perforated Asymmetric Profile 117
IRS Angle Support Bracket 118

POWER AND GROUND CONNECTIONS PRODUCT OVERVIEW

Product Range	Typical Uses	Typical Market
Copper Busbars 	• Heavy-duty power connection • Circuit breaker, generator & prefabricated power network conductor • Alternative to large & multiple cables • Earth / ground connection • Power distribution	• Power distribution switchgear • Marine transportation • Machinery manufacturing • Busduct • Power generation
Connecting Clamps 	• Heavy-duty power connection • Connection between busbar / flexible busbar / cable • Power distribution • "On site" installation / modification	• Power distribution switchgear • Power generation • Telecom • Machinery manufacturing • Busduct
Universal Connecting Bar 	• 450A power distribution bar • Unipolar distribution from busbar to cable • "On site" installation / modification	• Power distribution switchgear • Telecom • Machinery manufacturing • Industry & buildings
Grounding Parts 	• Power, earthing/grounding and equipotential connections • Numerous connections • Electrical bonding interconnection	• Switchgear & control equipment • Electrical equipment manufacturers • Power generation (Wind, solar) • Data center
Busbar Supports 	• Heavy-duty power connection support • Flat, on edge, inclined busbar support • Universal versatile support • Fixed or adjustable busbar support	• Power distribution switchgear • Marine transportation • Machinery manufacturing • Busduct • Power generation
Spacer and Accessories 	• Insulated or non-insulated spacer • Accessories for easy distribution block assembly	• Power distribution switchgear • Machinery manufacturing
Insulators 	• Heavy-duty power connection insulator • Flat, on edge, busbar insulator • Universal versatile insulator	• Power distribution switchgear • Marine transportation • Machinery manufacturing
Sleeves 	• Expandable cabling sleeves • Wiring mechanical protection • Wiring temperature protection	• Switchgear & control equipment • Transportation • Machinery manufacturing
Profiles 	• Symmetric / asymmetric profiles • Perforated or non-perforated profiles • Rapid assembly of all kinds of frameworks	• Switchgear & control equipment • Transportation • Machinery manufacturing

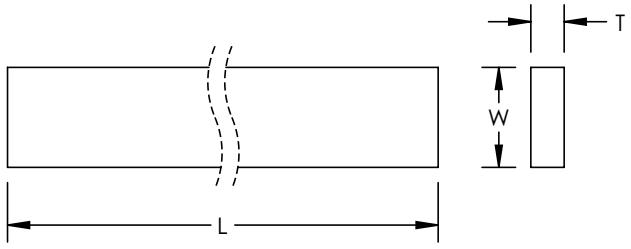
PCB PLAIN COPPER BUSBAR

FEATURES

- Heavy-duty power connection
- Circuit breaker, generator and prefabricated power network conductor
- Alternative to large and multiple cables
- Earth ground connection
- Power distribution
- Rounded edges
- RoHS Compliant

SPECIFICATIONS

- Material: Copper



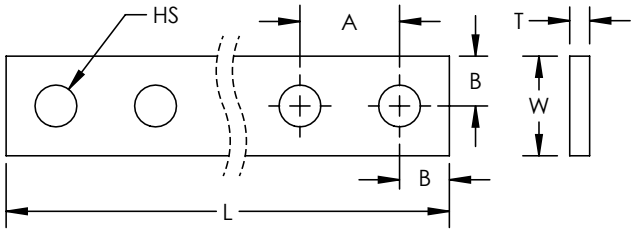
BULLETIN: ERI4

Catalog Number	W (in.)	W (mm)	T (in.)	T (mm)	L (in.)	L (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
PCB2M25X5	.98	25	.20	5	78.74	2000	4.85	2	2
PCB2M50X5	1.97	50	.20	5	78.74	2000	9.92	4	2
PCB2M63X5	2.48	63	.20	5	78.74	2000	12.35	12	2
PCB2M80X5	3.15	80	.20	5	78.74	2000	15.65	7	2
PCB2M100X5	3.94	100	.20	5	78.74	2000	19.62	9	2
PCB2M125X5	4.92	125	.20	5	78.74	2000	24.47	11	2
PCB2M30X10	1.18	30	.39	10	78.74	2000	11.68	5	2
PCB2M40X10	1.57	40	.39	10	78.74	2000	15.65	7	2
PCB2M50X10	1.97	50	.39	10	78.74	2000	19.62	9	2
PCB2M60X10	2.36	60	.39	10	78.74	2000	23.59	11	2
PCB2M80X10	3.15	80	.39	10	78.74	2000	31.31	14	2
PCB2M100X10	3.94	100	.39	10	78.74	2000	39.24	18	2
PCB2M120X10	4.72	120	.39	10	78.74	2000	47.18	21	2
PCB4M20X5	.79	20	.20	5	157.48	4000	7.85	4	10
PCB4M25X5	.98	25	.20	5	157.48	4000	9.81	4	10
PCB4M30X5	1.18	30	.20	5	157.48	4000	11.77	5	10
PCB4M40X5	1.57	40	.20	5	157.48	4000	15.70	7	10
PCB4M50X5	1.97	50	.20	5	157.48	4000	19.62	9	10
PCB4M60X5	2.36	60	.20	5	157.48	4000	23.55	11	10
PCB4M80X5	3.15	80	.20	5	157.48	4000	31.39	14	10
PCB4M100X5	3.94	100	.20	5	157.48	4000	39.24	18	5
PCB4M125X5	4.92	125	.20	5	157.48	4000	49.30	22	5
PCB2M12X5	.47	12	.20	5	78.74	2000	2.34	1	10
PCB1M12X4	.47	12	.16	4	39.37	1000	.95	.4	10
PCB2M12X4	.47	12	.16	4	78.74	2000	1.87	1	10
PCB4M30X10	1.18	30	.39	10	157.48	4000	23.57	11	5
PCB4M40X10	1.57	40	.39	10	157.48	4000	31.42	14	5
PCB4M50X10	1.97	50	.39	10	157.48	4000	39.24	18	5
PCB4M60X10	2.36	60	.39	10	157.48	4000	47.07	21	5
PCB4M80X10	3.15	80	.39	10	157.48	4000	62.83	28	5
PCB4M100X10	3.94	100	.39	10	157.48	4000	78.48	36	2
PCB4M120X10	4.72	120	.39	10	157.48	4000	94.36	43	2
PCB4M160X10	6.30	160	.39	10	157.48	4000	125.66	57	2
PCB4M200X10	7.87	200	.39	10	157.48	4000	156.53	71	2

DPCB PUNCHED PLAIN COPPER BUSBAR, SINGLE

SPECIFICATIONS

- Material: Copper



BULLETIN: ERI4

FEATURES

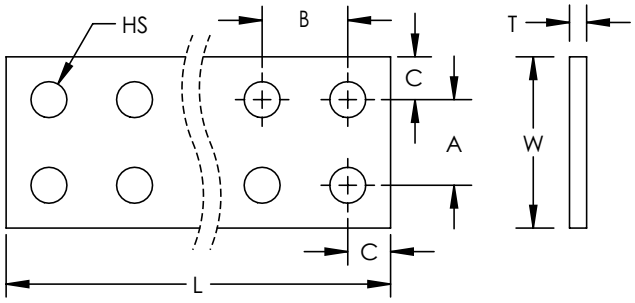
- Heavy-duty power connection
- Circuit breaker, generator and prefabricated power network conductor
- Alternative to large and multiple cables
- Earth ground connection
- Power distribution
- Rounded edges
- RoHS compliant

Catalog Number	W (in.)	W (mm)	T (in.)	T (mm)	L (in.)	L (mm)	Ø HS (in.)	Ø HS (mm)	A (in.)	A (mm)	B (in.)	B (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
DPCB25X5	.98	25	.20	5	68.90	1750	.41	10	.98	25	.49	12	3.09	1.4	2

DPCB PUNCHED PLAIN COPPER BUSBAR, DOUBLE

SPECIFICATIONS

- Material: Copper



BULLETIN: ERI4

FEATURES

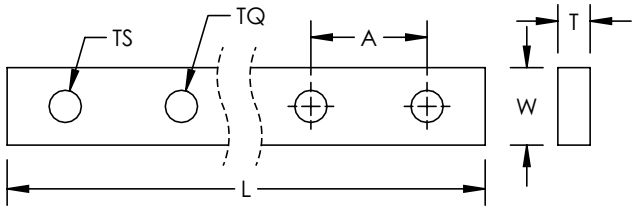
- Heavy-duty power connection
- Circuit breaker, generator and prefabricated power network conductor
- Alternative to large and multiple cables
- Earth ground connection
- Power distribution
- Rounded edges
- RoHS compliant

Catalog Number	W (in.)	W (mm)	T (in.)	T (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	Ø HS (in.)	Ø HS (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
DPCB50X10	1.97	50	.39	10	68.90	1750	.98	25	.98	25	.49	12	.41	10	15.00	7	2
DPCB60X10	2.36	60	.39	10	68.90	1750	1.38	35	.98	25	.49	12	.41	10	19.40	9	2
DPCB80X10	3.15	80	.39	10	68.90	1750	2.17	55	.98	25	.49	12	.41	10	25.13	11	2
DPCB100X10	3.94	100	.39	10	68.90	1750	2.95	75	.98	25	.49	12	.41	10	31.97	15	2
DPCB120X10	4.72	120	.39	10	68.90	1750	3.74	95	.98	25	.49	12	.41	10	40.57	18	2
DPCB50X5	1.97	50	.20	5	68.90	1750	.98	25	.98	25	.49	12	.41	10	7.50	3	2
DPCB63X5	2.48	63	.20	5	68.90	1750	1.50	38	.98	25	.49	12	.41	10	9.70	4	2
DPCB80X5	3.15	80	.20	5	68.90	1750	2.17	55	.98	25	.49	12	.41	10	12.57	6	2
DPCB100X5	3.94	100	.20	5	68.90	1750	2.95	75	.98	25	.49	12	.41	10	15.98	7	2
DPCB125X5	4.92	125	.20	5	68.90	1750	3.94	100	.98	25	.49	12	.41	10	20.28	9	2

TCB THREADED BUSBAR

SPECIFICATIONS

- Material: Copper



FEATURES

- Heavy-duty power connection
- Circuit breaker, generator and prefabricated power network conductor
- Alternative to large and multiple cables
- Earth ground connection
- Power distribution
- Rounded edges
- RoHS compliant

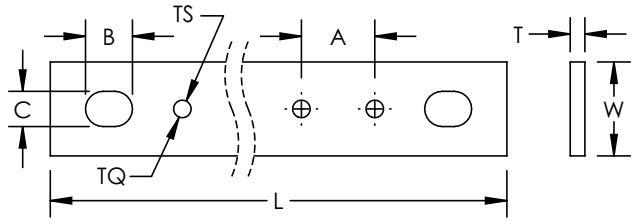
BULLETIN: ERI4

Catalog Number	W (in.)	W (mm)	T (in.)	T (mm)	L (in.)	L (mm)	A (in.)	A (mm)	TS	Torque TQ (ft-lb)	Torque TQ (Nm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TCB12X21M	.47	12	.08	2	38.98	990	.71	18	M5	.96	1.3	.66	.30	10
TCB12X41M	.47	12	.16	4	38.98	990	.71	18	M5	1.48	2.0	.95	.43	10
TCB12X42M	.47	12	.16	4	78.15	1985	.71	18	M5	1.48	2.0	1.87	.85	10
TCB12X51M	.47	12	.20	5	38.98	990	.71	18	M5	4.06	5.5	1.10	.50	4
TCB18X41M	.71	18	.16	4	39.37	1000	.79	20	M8	8.11	11.0	1.32	.60	4
TCB25X41M	.98	25	.16	4	39.37	1000	.79	20	M6	3.32	4.5	1.76	.80	4

TCB THREADED BUSBAR WITH FIXING SLOT

SPECIFICATIONS

- Material: Copper



FEATURES

- End slots can be used to fix busbar to a support or connect the main input conductor
- Heavy-duty power connection
- Circuit breaker, generator and prefabricated power network conductor
- Alternative to large and multiple cables
- Earth ground connection
- Powe distribution
- Rounded edges
- RoHS compliant

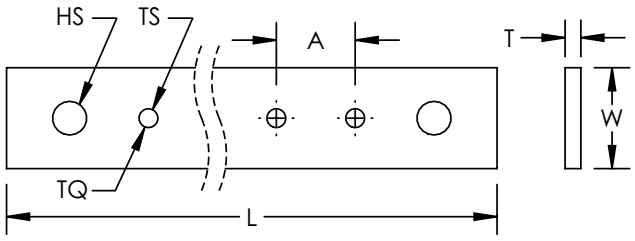
BULLETIN: ERI4

Catalog Number	W (in.)	W (mm)	T (in.)	T (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	TS	Torque TQ (ft-lb)	Torque TQ (Nm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TCB15X51M	.59	15	.20	5	38.98	990	.98	25	.47	12	.31	8	M6	4.43	6	1.43	.64	4
TCBS15X52M	.59	15	.20	5	78.15	1985	.69	17.5	.47	12	.31	8	M6	4.43	6	2.62	1.19	4
TCB20X51M	.79	20	.20	5	38.98	990	.98	25	.55	14	.39	10	M6	4.43	6	1.87	.85	4
TCB20X52M	.79	20	.20	5	78.15	1985	.98	25	.55	14	.39	10	M6	4.43	6	3.68	1.67	4
TCB30X52M	1.18	30	.20	5	78.15	1985	.98	25	.63	16	.47	12	M6	4.43	6	5.51	2.50	4
TCB32X51M	1.26	32	.20	5	38.98	990	.98	25	.63	16	.47	12	M6	4.43	6	2.98	1.35	4

TCB THREADED BUSBAR WITH FIXING HOLE

SPECIFICATIONS

- Material: Copper



BULLETIN: ERI4

FEATURES

- End holes can be used to fix busbar to a support or connect the main input conductor
- Heavy-duty power connection
- Circuit breaker, generator and prefabricated power network conductor
- Alternative to large and multiple cables
- Earth ground connection
- Power distribution
- Rounded edges
- RoHS Compliant

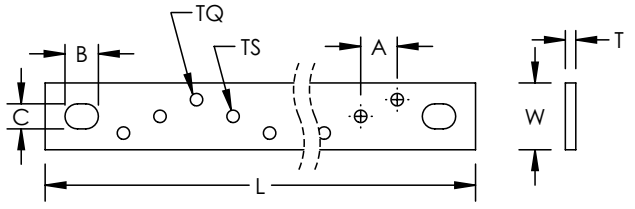
2

Catalog Number	W (in.)	W (mm)	T (in.)	T (mm)	L (in.)	L (mm)	A (in.)	A (mm)	Ø HS (in.)	Ø HS (mm)	TS	Torque TQ (ft-lb)	Torque TQ (Nm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TCB20X101M	.79	20	.39	10	39.37	1000	.98	25	.39	10	M8	17.70	24	3.68	2	4
TCB30X101M	1.18	30	.39	10	39.37	1000	.98	25	.39	10	M8	17.70	24	5.51	3	4
TCB30X102M	1.18	30	.39	10	78.74	2000	.98	25	.39	10	M8	17.70	24	11.90	5	2

TCBW THREADED BUSBAR, W-THREAD

SPECIFICATIONS

- Material: Copper



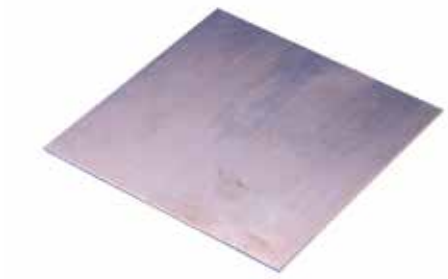
BULLETIN: ERI4

FEATURES

- Threaded hole pattern provides 40% more connections
- End slots can be used to fix busbar to a support or connect the main input conductor
- Heavy-duty power connection
- Circuit breaker, generator and prefabricated power network conductor
- Alternative to large and multiple cables
- Earth ground connection
- Power distribution
- Rounded edges
- RoHS Compliant

Catalog Number	W (in.)	W (mm)	T (in.)	T (mm)	L (in.)	L (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	TS	Torque TQ (ft-lb)	Torque TQ (Nm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TCBW32X52M	1.26	32	.20	5	78.15	1985	.69	18	.63	16	.47	12	M6	4.43	6	5.84	3	4

BMS BIMETAL PLATE



INDUSTRY STANDARDS
EAC, Cert No. 8536900100

FEATURES
- For high performance contact between aluminum busbars and copper busbars

SPECIFICATIONS
- Material: Aluminum, Copper

BULLETIN: ERI4

Catalog Number	Length (in.)	Length (mm)	Width (in.)	Width (mm)	Thickness (in.)	Thickness (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
BMS100	3.94	100	3.94	100	004	1	.13	.06	10
BMS500	19.69	500	19.69	500	.04	1	3.20	1.45	2

Thickness is comprised of 0.7 mm (0.028 in.) of aluminum and 0.3 mm (0.012 in.) of copper.

XM5 THREADED BUSBAR CONNECTOR

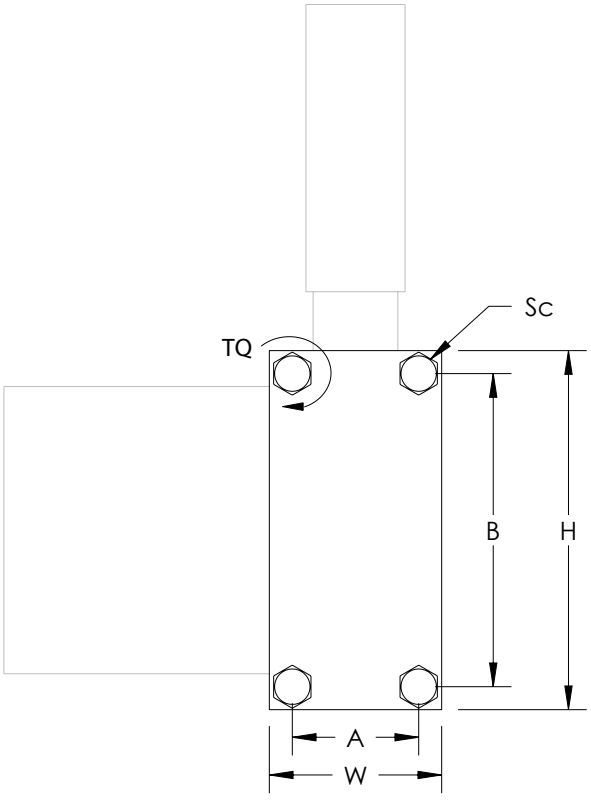
FEATURES
- Connects cable to threaded busbar
- RoHS compliant

SPECIFICATIONS
- Material: Copper

BULLETIN: ERI4

Catalog Number	Thread Size	Busbar Thickness (in.)	Busbar Thickness (mm)	Busbar Width (in.)	Busbar Width (mm)	Conductor Size (mm^2)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
XM5	M5	.16	4	.47	12	1 to 6 Stranded	.02	.01	100

FC ERIFLEX FLEXIBAR TO BUSBAR CLAMP



2

INDUSTRY STANDARDS

EAC, Cert No. 8536900100

FEATURES

- Connects ERIFLEX FLEXIBAR to copper busbar
- Two plates complete with screws
- Allows for excellent electrical contact
- Installs quickly and easily
- Ideal for on site modifications
- RoHS compliant

SPECIFICATIONS

- Material: Steel
- Quality Class: 8.8
- Clamping Capacity: .79 (20 mm)

FINISH

- Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Busbar Width (in.)	Busbar Width (mm)	Conductor Width (in.)	Conductor Width (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	B (in.)	B (mm)	Screw Diameter Sc	Torque TQ (ft-lb)	Torque TQ (Nm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
FC50X24	1.97	50	.79 – .95	20 - 24	2.95	75	2.05	52	1.42	36	2.32	60	M8	7.37	10	.70	.32	3
FC50X32	1.97	50	1.26	32	2.95	75	2.36	60	1.73	44	2.32	60	M8	7.37	10	.80	.36	3
FC50X40	1.97	50	1.57	40	2.95	75	2.68	68	2.05	52	2.32	60	M8	7.37	10	.91	.41	3
FC80X24	3.15	80	.79 – .95	20 - 24	4.13	105	2.05	52	1.42	36	3.50	90	M8	7.37	10	.95	.43	3
FC80X32	3.15	80	1.26	32	4.13	105	2.36	60	1.73	44	3.50	90	M8	7.37	10	1.08	.49	3
FC80X50	3.15	80	1.97	50	4.13	105	3.07	78	2.44	62	3.50	90	M8	7.37	10	1.41	.64	3
FC100X32	3.94	100	1.26	32	4.92	125	2.36	60	1.73	44	4.29	110	M8	7.37	10	1.47	.67	3
FC120X32	4.72	120	1.26	32	5.71	145	2.36	60	1.73	44	5.08	130	M8	7.37	10	1.67	.76	3

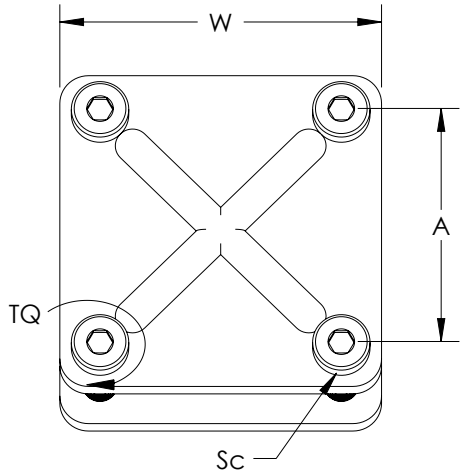
BC RIBBED STEEL BUSBAR CLAMP

SPECIFICATIONS

- Material: Steel
- Clamping Capacity: .79 (20 mm)

FINISH

- Finish: Electrogalvanized



INDUSTRY STANDARDS

UL 67 and 891 Component Recognized; File No. E125470

EAC; Cert No. 8536900100

FEATURES

- Connects two copper busbars together or ERIFLEX FLEXIBAR to copper busbar
- Two ribbed plates complete with screws
- Allows for excellent electrical contact
- Installs quickly and easily
- Ideal for on site modifications
- RoHS compliant

BULLETIN: ERI4

Catalog Number	Busbar Wdth in./mm	W in./mm	A in./mm	Sc	Torque TQ ft-lb./Nm	Unit Weight (lb./kg)	Standard Package Qty.
BC30	1.18 30	2.20 56	1.65 42	M6	5.16 7	.68 .31	8
BC40	1.57 40	2.60 66	2.05 52	M6	5.16 7	.81 .37	8
BC50	1.97 50	3.27 83	2.52 64	M8	14.75 20	1.30 .59	8
BC63	2.48 63	3.66 93	2.91 74	M8	14.75 20	1.63 .74	4
BC80	3.15 80	4.65 118	3.78 96	M10	29.50 40	2.60 1.18	4
BC100	3.94 100	5.67 144	4.65 118	M10	29.50 40	3.79 1.72	4

HCBC HIGH CURRENT BUSBAR CLAMP

INDUSTRY STANDARDS

EAC, Cert No. 8536900100

FEATURES

- Connects copper busbar to copper busbar, ERIFLEX FLEXIBAR or power shunt
- Made with non-magnetic materials for high current connections between ERIFLEX FLEXIBAR and rigid busbars such as transformer terminals
- Rigid design assures even contact pressure
- Installs quickly and easily
- Ideal for on site modifications
- RoHS compliant

SPECIFICATIONS

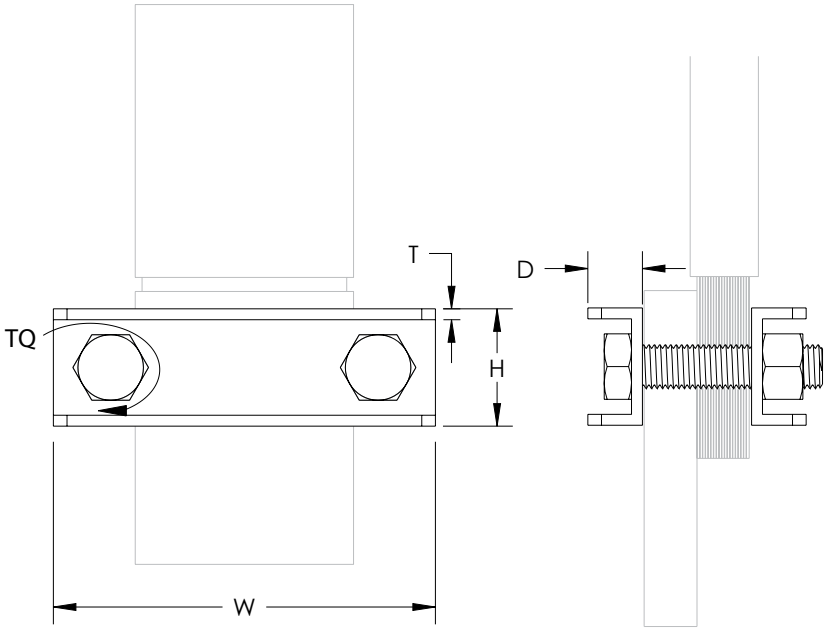
- Material: Stainless Steel 304 (EN 1.4301)
- Clamping Capacity: 1.57 (40 mm)

BULLETIN: ERI4

2

Catalog Number	Conductor Width in./mm	D in./mm	H in./mm	W in./mm	T in./mm	Torque TQ ft-lb./Nm	Unit Weight (lb./kg)	Standard Package Qty.
HCBC80	3.15	.79	1.57	5.50	.12	74	1.85	1
	80	20	40	140	3	100	.84	
HCBC100	3.94	.79	1.57	6.30	.12	74	2.03	1
	100	20	40	160	3	100	.92	
HCBC120	4.72	.79	1.57	7.10	.12	74	2.20	1
	120	20	40	180	3	100	1.00	

Use two clamps for optimal contact pressure.



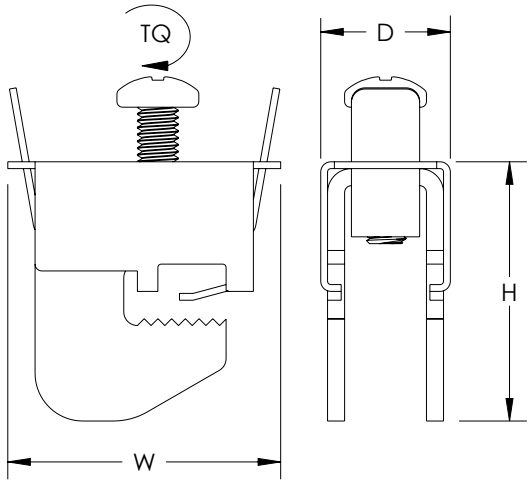
FBC FLEXIBAR/CABLE TO BUSBAR CLAMP

INDUSTRY STANDARDS
- EAC, Cert No. 8536900100
- Complies With: IEC 60999

FEATURES
- Very compact clamp for connecting cable conductors or ERIFLEX FLEXIBAR to busbar without drilling
- Conductor is clamped with a pressure plate
- Clamps can be mounted and slid into position on busbar prior to connecting conductors
- Connections can be added after busbar has been mounted
- Single screw locks clamp and makes connection
- RoHS compliant

SPECIFICATIONS
- Material: Steel

FINISH
Finish: Electrogalvanized



BULLETIN: ERI4

2

Busbar Thickness: .20 (5 mm)

Catalog Number	Conductor Size	Conductor Width in./mm	D in./mm	H in./mm	W in./mm	Torque TQ (ft-lb)	Torque TQ (Nm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
FBC5X4	1 mm^2 Stranded - 4 mm^2 Stranded	– –	.43 11	.91 23	1.14 29	1.47	2	.035	.016	15
FBC5X6	2.5 mm^2 Stranded - 16 mm^2 Stranded	.24 6	.55 14	1.10 28	1.22 31	2.21	3	.062	.028	15
FBC5X9	16 mm^2 Stranded - 50 mm^2 Stranded	.35 9	.75 19	1.42 36	1.57 40	4.40 – 5.90	6 - 8	.150	.068	15
FBC5X155	35 mm^2 Stranded - 70 mm^2 Stranded	.61 15	.98 25	1.73 44	1.57 40	7.37 – 8.85	10 - 12	.243	.110	15
FBC5X20	70 mm^2 Stranded - 185 mm^2 Stranded	.79 20	1.22 31	1.89 48	1.57 40	8.85 – 11.06	12 - 15	.291	.132	15

Busbar Thickness: .39 (10 mm)

Catalog Number	Conductor Size	Conductor Width in./mm	D in./mm	H in./mm	W in./mm	Torque TQ (ft-lb)	Torque TQ (Nm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
FBC10X4	1 mm^2 Stranded - 4 mm^2 Stranded	– –	.47 12	1.10 28	1.14 29	1.47	2	.040	.018	15
FBC10X6	2.5 mm^2 Stranded - 16 mm^2 Stranded	.24 6	.55 14	1.30 33	1.22 31	2.21	3	.066	.300	15
FBC10X9	16 mm^2 Stranded - 50 mm^2 Stranded	.35 9	.75 19	1.65 42	1.57 40	4.40 – 5.90	6 - 8	.154	.070	15
FBC10X155	35 mm^2 Stranded - 70 mm^2 Stranded	.61 15	.98 25	1.93 49	1.57 40	7.37 – 8.85	10 - 12	.247	.112	15
FBC10X20	70 mm^2 Stranded - 185 mm^2 Stranded	.79 20	1.22 31	2.13 54	1.57 40	8.85 – 11.06	12 - 15	.304	.138	15

Conductor must be stripped a minimum distance equal to the width of the clamp.

CONT-KIT NUTS AND BOLTS CONTACT KITS

FEATURES

- For optimal electrical connections
- Kit includes 100 bolts, 100 nuts, 200 flat washers and 200 contact washers
- SAE Grade: 5
- Coating Class: Zn 8 C

SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized

BULLETIN: ERI4

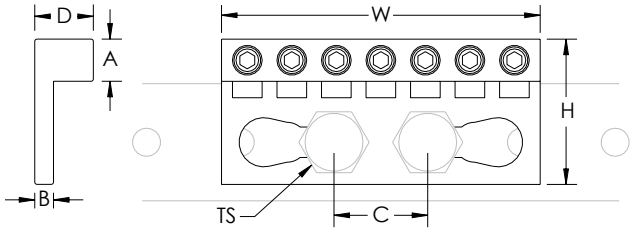
2

Catalog Number	Thread Size	Thread Length (in.)	Thread Length (mm)	Torque (ft-lb)	Torque (Nm)	Standard Package Qty.
CKT1420X58	1/4 UNC	5/8	16	9	12	100
CKT51618X114	5/16 UNC	1-1/4	32	18	24	100
CKT71614X114	7/16 UNC	1-1/4	32	50	68	100
CKT71614X2	7/16 UNC	2	51	50	68	100
CKT1213X114	1/2 UNC	1-1/4	32	75	102	100
CKT1213X112	1/2 UNC	1-1/2	38	75	102	100
CKT1213X2	1/2 UNC	2	51	75	102	100

UNIVERSAL CONNECTING BAR

SPECIFICATIONS

- Easy to wire with a hexagonal key
- Design allows for visual inspection of conductor and confirmation of connection
- For use with punched or threaded copper busbar
- High fill ratio allows output connection with or without terminal
- Quick and easy installation
- Material: Brass
- RoHS compliant



BULLETIN: ERI2

INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL listed per CSA C22.2 No.41; File No.E220029

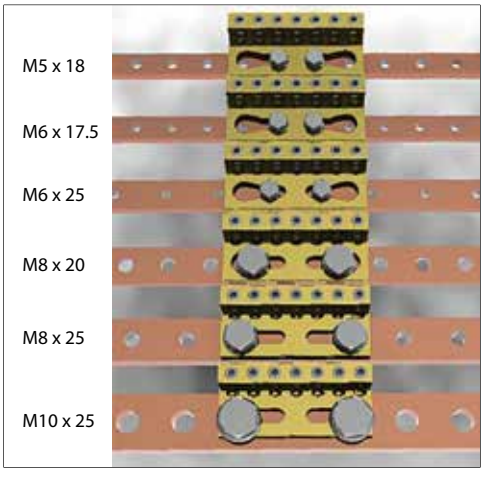
APPLICATION

Connecting, Earthing and Neutral Busbars are used to connect several earthing conductors within a panel and can be used in a variety of different applications including switchgear and control equipment, electrical equipment, for wind and solar power generation and in data centers. This Universal Connecting Bar can be used as a 450 A current rating IEC for power distribution.

Catalog Number	Max Current Rating (A)	Number of Tunnel Connections	Conductor Size, IEC	Ferrule Conductor Size, IEC	Conductor Size, UL	D in./mm	H in./mm	W in./mm	A in./mm	B in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CB7X16	450	7	(7) 1.5 - 16 mm^2 Stranded	(7) 1.5 - 16 mm^2	(7) #10 - #6 Solid (7) #8 - #4 Stranded	.49 12	1.22 31	2.68 68	.35 9	.16 4	.18	.08	10

Fastener Size Used

Thread Size TS	C in./mm
M5	.71 18
M6	.69; .98 18; 25
M8	.79; .98 20; 25
M10	.98 25



EB-44, EARTHING AND NEUTRAL BUSBARS

APPLICATION

Connecting, Earthing and Neutral Busbars are used to connect several earthing conductors within a panel and can be used in a variety of different applications including switchgear and control equipment, electrical equipment, for wind and solar power generation and in data centers.

FEATURES

- Use to connect several earthing conductors within a panel
- Chamfered holes allow for easy connections
- Mounting slots for universal fixing to copper busbar, directly to rails or spacers
- Rigid bar
- Mounting kits available for stacking busbars or fixing to DIN rail
- RoHS compliant

SPECIFICATIONS

- Material: Brass

BULLETIN: ERI2

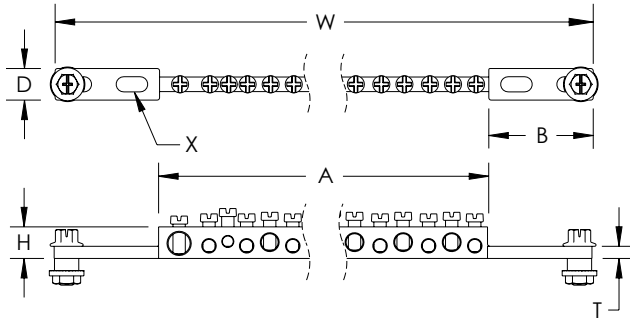
INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL Listed per CSA C22.22 No.41; File No. E220029

CE
EAC; Cert No. 0234268
Complies with IEC 61439.1

2

Catalog Number	Number of Connections	Conductor Size, IEC	Conductor Size, UL	Ferrule Conductor Size, IEC	D in./mm	H in./mm	W in./mm	T in./mm	A in./mm	B in./mm	X in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
EB44	44	(1) 16 - 35 mm^2 Stranded (6) 4 - 16 mm^2 Stranded (21) 2.5 - 6 mm^2 Stranded (16) 1.5 - 4 mm^2 Stranded	(1) #6 - #4 Stranded (6) #12 - #4 Stranded (21) #14 - #8 Stranded (16) #16 - #10 Stranded	(1) 10 - 35 mm^2 (6) 2.5 - 16 mm^2 (21) 1.5 - 6 mm^2 (16) 0.75 - 4 mm^2	.51 13	.51 13	18.19 462	.20 5	14.80 376	1.69 43	.24 x .28 6 x 7	.66	.30	1



EB-60 EARTHING AND NEUTRAL BUSBAR

APPLICATION

Connecting, Earthing and Neutral Busbars are used to connect several earthing conductors within a panel and can be used in a variety of different applications including switchgear and control equipment, electrical equipment, for wind and solar power generation and in data centers.

FEATURES

- Use to connect several earthing conductors within a panel
- Chamfered holes allow for easy connections
- Mounting slots for universal fixing to copper busbar, directly to rails or spacers
- Rigid bar
- Mounting kits available for stacking busbars or fixing to DIN rail
- RoHS compliant

SPECIFICATIONS

- Material: Brass

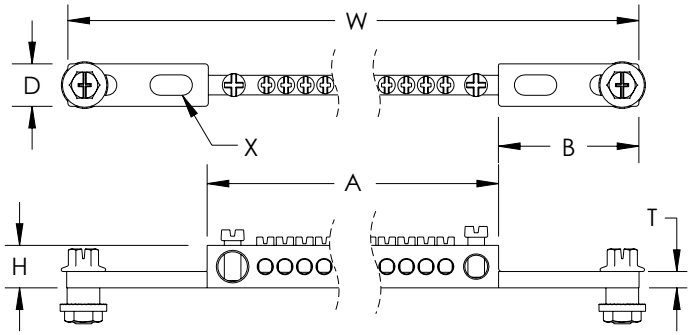
BULLETIN: ERI2

INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL Listed per CSA C22.22 No.41; File No. E220029

CE
EAC; Cert No. 0234268
Complies with IEC 61439.1

Catalog Number	Number of Connections	Conductor Size, UL	Conductor Size, IEC	Ferrule Conductor Size, IEC	D in./mm	H in./mm	W in./mm	T in./mm	A in./mm	B in./mm	X in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
EB60	60	(1) #6 Stranded (1) #12 - #6 Stranded (58) #16 - #10 Stranded (58) #16 - #10 Solid	(1) 16 - 35 mm^2 Stranded (1) 4 - 16 mm^2 Stranded (58) 1.5 - 4 mm^2 Stranded	(1) 10 - 35 mm^2 (1) 2.5 - 16 mm^2 (58) 0.75 - 4 mm^2	.51 13	.51 13	18.19 462	.20 5	14.80 376	1.69 43	.24 x .28 6 x 7	.68	.31	1



EB-20 EARTHING AND NEUTRAL BUSBAR

APPLICATION

Connecting, Earthing and Neutral Busbars are used to connect several earthing conductors within a panel and can be used in a variety of different applications including switchgear and control equipment, electrical equipment, for wind and solar power generation and in data centers.

FEATURES

- Use to connect several earthing conductors within a panel
- Chamfered holes allow for easy connections
- Mounting slots for universal fixing to copper busbar, directly to rails or spacers
- Rigid bar
- Mounting kits available for stacking busbars or fixing to DIN rail
- RoHS compliant

FINISH

- Material: Brass

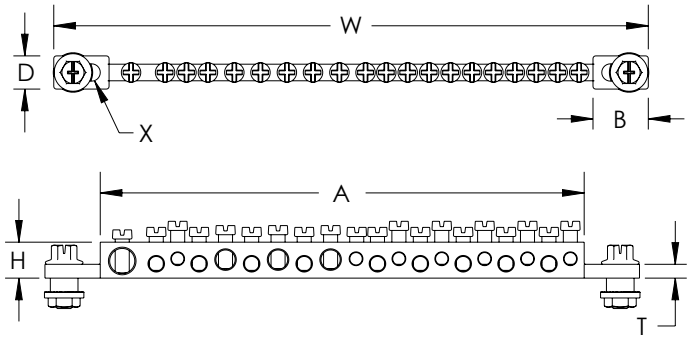
BULLETIN: ERI2

INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL Listed per CSA C22.22 No.41; File No. E220029

CE
EAC; Cert No. 0234268
Complies with IEC 61439.1

Catalog Number	Number of Connections	Conductor Size, UL	Conductor Size, IEC	Ferrule Conductor Size, IEC	D in./mm	H in./mm	W in./mm	T in./mm	A in./mm	B in./mm	X in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
EB20	20	(1) #8 - #6 Solid (3) #12 - #6 Solid (9) #14 - #8 Solid (7) #16 - #10 Solid (1) #6 - #4 Stranded (3) #12 - #4 Stranded (9) #14 - #8 Stranded (7) #14 - #10 Stranded	(1) 16 - 35 mm^2 Stranded (3) 4 - 16 mm^2 Stranded (9) 2.5 - 6 mm^2 Stranded (7) 1.5 - 4 mm^2 Stranded	(1) 10 - 35 mm^2 (3) 2.5 - 16 mm^2 (9) 1.5 - 6 mm^2 (7) 0.75 - 4 mm^2	.47 12	.51 13	8.46 215	.20 5	6.89 175	.79 20	.24 x .28 6 x 7	.43	.20	1



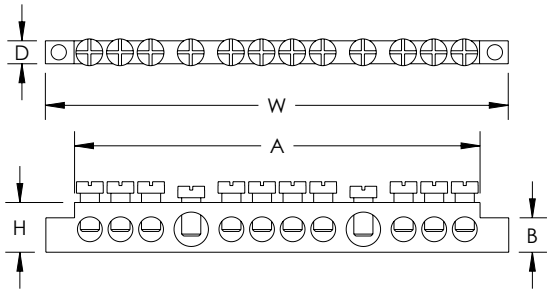
EB-12 EARTHING AND NEUTRAL BUSBAR

FEATURES

- Use to connect several earthing conductors
- Chamfered holes allow for easy connections
- Rigid bar
- RoHS compliant

SPECIFICATIONS

- Material: Brass



INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL listed per CSA C22.2 No.41; File No. E220029

CE
EAC; Cert No. 0234268
Complies with IEC 61439.1

APPLICATION

Connecting, Earthing and Neutral Busbars are used to connect several earthing conductors within a panel and can be used in a variety of different applications including switchgear and control equipment, electrical equipment, for wind and solar power generation and in data centers.

BULLETIN: ERI2

Catalog Number	Number of Connections	Conductor Size, UL	Conductor Size, IEC	Ferrule Conductor Size, IEC	D in./mm	H in./mm	W in./mm	A in./mm	B in./mm	Unit Weight (lb./kg)	Standard Package Qty.
EB12	12	(2) #6 Solid (10) #8 - #6 Solid (2) #6 Stranded (10) #8 - #6 Stranded	(2) 16 - 35 mm^2 Stranded (10) 4 - 16 mm^2 Stranded	(2) 10 - 35 mm^2 (10) 2.5 - 16 mm^2	.24 6	.51 13	4.72 120	4.13 105	.35 9	.15 .07	10

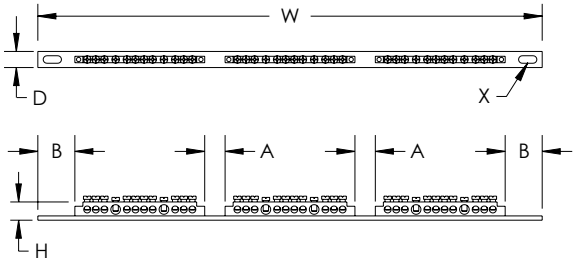
EB-36 EARTHING AND NEUTRAL BUSBAR

FEATURES

- Use to connect several earthing conductors
- Chamfered holes allow for easy connections
- Rigid bar
- RoHS compliant

SPECIFICATIONS

- Material: Brass



INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL listed per CSA C22.2 No.41; File No. E220029

CE
EAC; Cert No. 0234268
Complies with IEC 61439.1

APPLICATION

Connecting, Earthing and Neutral Busbars are used to connect several earthing conductors within a panel and can be used in a variety of different applications including switchgear and control equipment, electrical equipment, for wind and solar power generation and in data centers.

BULLETIN: ERI2

Catalog Number	Number of Connections	Conductor Size, UL	Conductor Size, IEC	Ferrule Conductor Size, IEC	D in./mm	H in./mm	W in./mm	A in./mm	B in./mm	X in./mm	Unit Weight (lb./kg)	Standard Package Qty.
EB36	36	(6) #6 Solid (30) #8 - #6 Solid (6) #6 Stranded (30) #8 - #6 Stranded	(6) 16 - 35 mm^2 Stranded (30) 4 - 16 mm^2 Stranded	(6) 10 - 35 mm^2 (30) 2.5 - 16 mm^2	.59 15	.67 17	18.50 470	.75 19	1.38 35	.63 x .28 16 x 7	1.00 .45	10

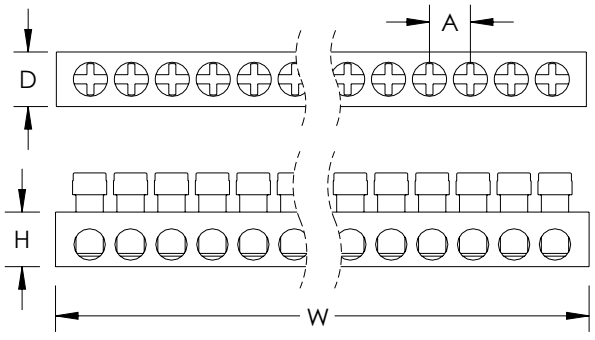
EB-168 EARTHING AND NEUTRAL BUSBAR

FEATURES

- Use to connect several earthing conductors
- Chamfered holes allow for easy connections
- Rigid bar
- RoHS compliant

SPECIFICATIONS

- Material: Brass



BULLETIN: ERI2

INDUSTRY STANDARDS

UL 467 Listed; File No. E220029
cUL listed per CSA C22.2 No.41; File No. E220029

CE
EAC; Cert No. 0234268
Complies with IEC 61439.1

APPLICATION

Connecting, Earthing and Neutral Busbars are used to connect several earthing conductors within a panel and can be used in a variety of different applications including switchgear and control equipment, electrical equipment, for wind and solar power generation and in data centers.

Catalog Number	Number of Connections	Conductor Size, UL	Conductor Size, IEC	Ferrule Conductor Size, IEC	D in./mm	H in./mm	W in./mm	A in./mm	Unit Weight (lb./kg)	Standard Package Qty.
EB168	166	(166) #16 - #10 Solid (166) #10 Stranded	(166) 1.5 - 4 mm^2 Stranded	(166) 0.75 - 4 mm^2	.31 8	.31 8	39.37 1000	.24 6	1.00 .45	10

EC16 EARTHING/GROUNDING CONNECTOR

INDUSTRY STANDARDS

EAC; Cert No. 0234268

FEATURES

- Very compact clamp for connecting cable conductors to earthing busbar without drilling
- Conductor is clamped with a pressure plate
- Clamps can be mounted and slid into position on busbar prior to connecting conductors
- Connections can be added after busbar has been mounted
- Single screw locks clamp and makes connection
- RoHS compliant

SPECIFICATIONS

- Material: Steel

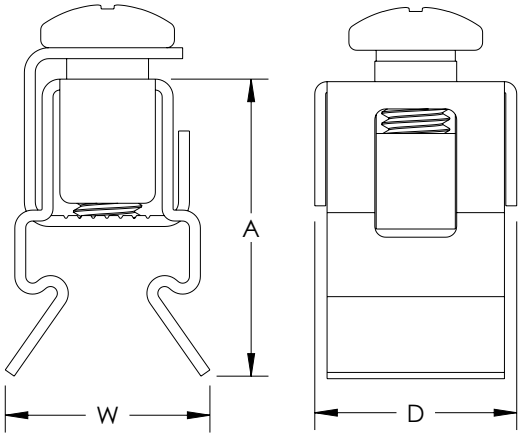
FINISH

- Finish: Electrogalvanized

BULLETIN: ERI4

2

Catalog Number	Conductor Size Stranded (mm^2)	Busbar Thickness in./mm	Busbar Width in./mm	D in./mm	W in./mm	A in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
EC164	16	.16 4	.47 12	.59 15	.59 15	.86 22	.022	.01	20
EC165	16	.20 5	.47 12	.59 15	.55 14	.86 22	.022	.01	20



EC35 EARTHING/GROUNDING CONNECTOR

INDUSTRY STANDARDS

EAC; Cert No. 0234268

FEATURES

- Very compact clamp for connecting cable conductors to earthing busbar without drilling
- Conductor is clamped with a pressure plate
- Clamps can be mounted and slid into position on busbar prior to connecting conductors
- Connections can be added after busbar has been mounted
- Single screw locks clamp and makes connection
- RoHS compliant

SPECIFICATIONS

- Material: Steel

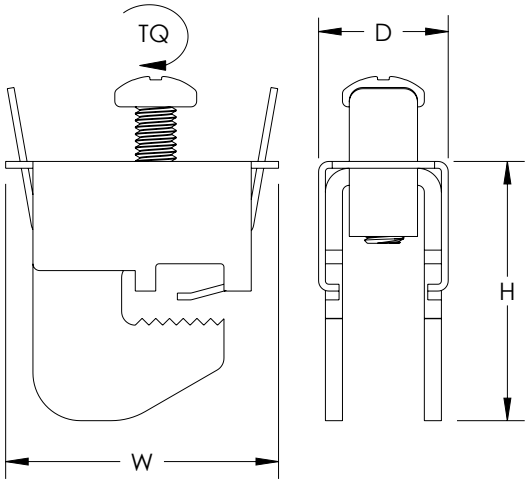
FINISH

Finish: Electrogalvanized

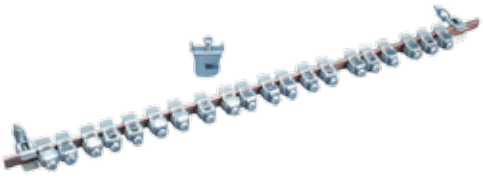
BULLETIN: ERI4

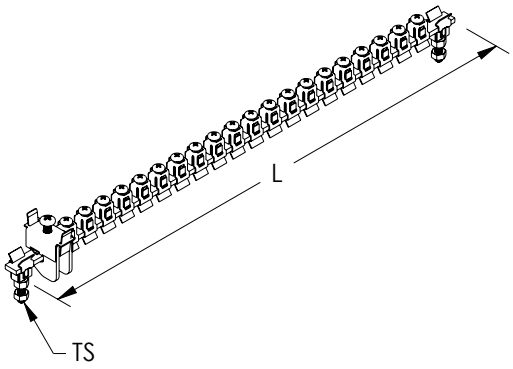
2

Catalog Number	Conductor Size Stranded (mm^2)	Busbar Thickness in./mm	Busbar Width in./mm	D in./mm	H in./mm	W in./mm	Torque TQ (ft-lb)	Torque TQ (Nm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
EC35	35	.16 – .20 4 - 5	.47 12	.45 11	1.06 27	.91 23	4.40	6	.055	.02	20



EC-450 EARTHING/GROUNDING KIT





INDUSTRY STANDARDS
EAC; Cert No. 0234268

FEATURES
- Kit includes busbar, one EC35 connector, 20 EC16 connectors and two mounting clips
- Quick and easy connections
- RoHS compliant

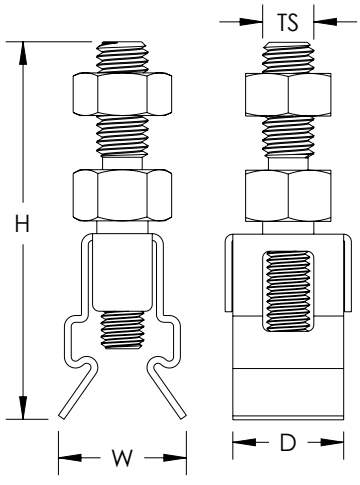
SPECIFICATIONS
- Material: Copper, Steel

FINISH
- Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Thread Size TS	L in./mm	Unit Weight (lb./kg)	Standard Package Qty.
KITEC450	M6	18.70 475	.80 .36	1

MOUNTING CLIP FOR PLAIN BUSBAR



INDUSTRY STANDARDS
EAC; Cert No. 8536900100

FEATURES
- Attaches earthing bar to panel structure
- RoHS compliant

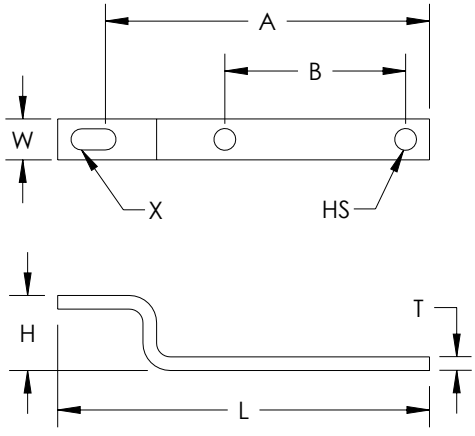
SPECIFICATIONS
- Material: Steel

FINISH
- Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Busbar Thickness in./mm	Busbar Width in./mm	Thread Size TS	D in./mm	H in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CLIPM612X4	.16 4	.47 12	M6	.67 17	1.50 38	.55 14	.02 .01	20
CLIPM612X5	.2 5	.47 12	M6	.67 17	1.50 38	.55 14	.02 .01	20

EBB-KDR NEUTRAL BUSBAR DIN RAIL MOUNTING KIT



INDUSTRY STANDARDS
EAC; Cert No. 0234268

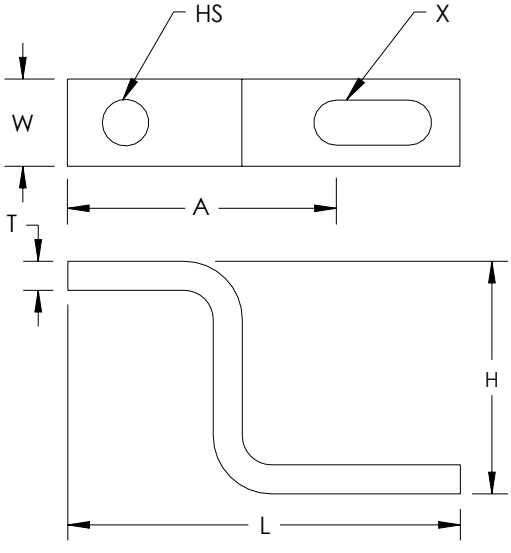
FEATURES
- Bracket mounts bar to DIN rail
- RoHS compliant

SPECIFICATIONS
- Material: Copper

BULLETIN: ERI2

Catalog Number	H in./mm	L in./mm	W in./mm	T in./mm	Ø HS in./mm	A in./mm	B in./mm	X in./mm	Unit Weight (lb./kg)	Standard Package Qty.
EBBKDR	.87	4.29	.47	.16	.25	3.74	2.36	.24 x .39	.14	1
	22	108	12	4	6	95	60	6 x 10	.06	

EBB-KP NEUTRAL BUSBAR TWO BAR MOUNTING KIT



INDUSTRY STANDARDS
EAC; Cert No. 0234268

FEATURES
- Bracket for mounting two bars
- RoHS compliant

SPECIFICATIONS
- Material: Copper

BULLETIN: ERI2

Catalog Number	H in./mm	L in./mm	W in./mm	T in./mm	Ø HS in./mm	A in./mm	X in./mm	Unit Weight (lb./kg)	Standard Package Qty.
EBBKP	1.26	2.13	.47	.16	.25	1.14	.24 x .39	.23	1
	32	54	12	4	6	29	6 x 10	.10	

FBS FLAT BUSBAR SUPPORTS

INDUSTRY STANDARDS

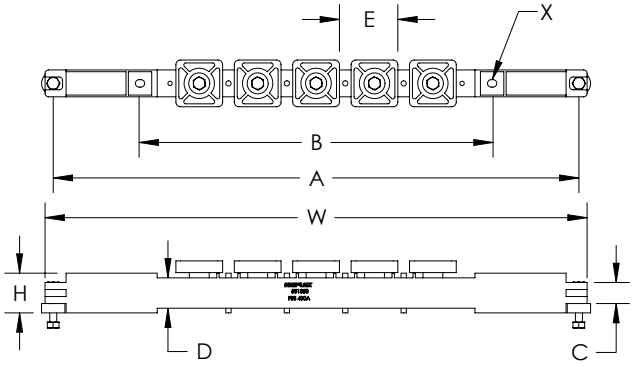
CE
EAC; Cert No. 8546901000
Complies with IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Support for threaded busbars
- Three phase with neutral circuit
- Plastic positioning pin for bar location
- Adjusts quickly to accommodate multiple busbar widths
- Protection screen can be fixed using spacers
- A ground can be mounted on either side
- Halogen free
- RoHS compliant

SPECIFICATIONS

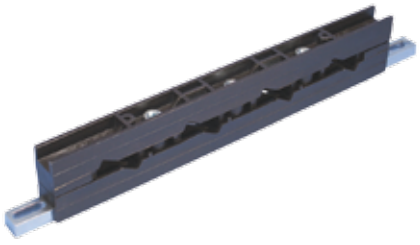
- Material: Glass Fiber Reinforced Polyamide; Steel
- Finish: Electrogalvanized
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Typical Application Current Rating: 160 – 400 A
- Flammability Rating: UL 94V-0
- Busbar Width: .59 (15 mm); .79 (20 mm); 1.26 (32 mm)
- Busbar Thickness: .20 (5 mm)



BULLETIN: ERI4

Catalog Number	H in./mm	W in./mm	A in./mm	B in./mm	C in./mm	D in./mm	E in./mm	X in./mm	Unit Weight (lb./kg)	Standard Package Qty.
FBS400A	1.34	18.31	17.72	11.81	.71	1.02	1.97	.24 x .31	.66	1
	34	465	450	300	18	26	50	6 x 8	.30	

FBSS FLAT BUSBAR SUPPORTS



INDUSTRY STANDARDS

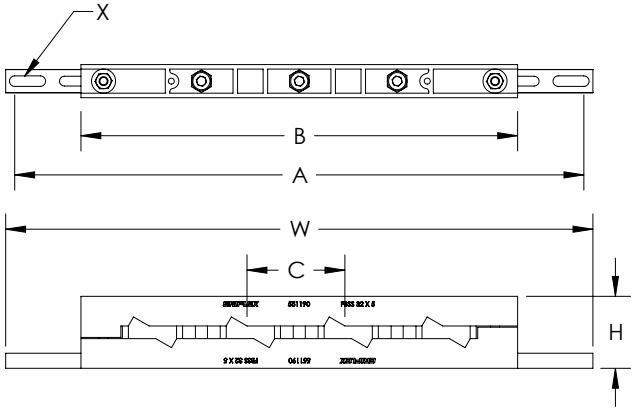
CE
EAC; Cert No. 8546901000
Complies with IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Supports busbars at an angle for easy connections
- Includes mounting holes for direct fixing of protection screen
- Adjustable arms for easy mounting
- Three phase with neutral circuit
- Halogen free
- RoHS compliant

SPECIFICATIONS

- Material: Steel; Glass Fiber Reinforced Polyamide; Aluminum
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Typical Application Current Rating: 400 A
- Flammability Rating: UL 94V-0
- Busbar Width: 1.26 (32 mm)
- Busbar Thickness: .20 (5 mm)



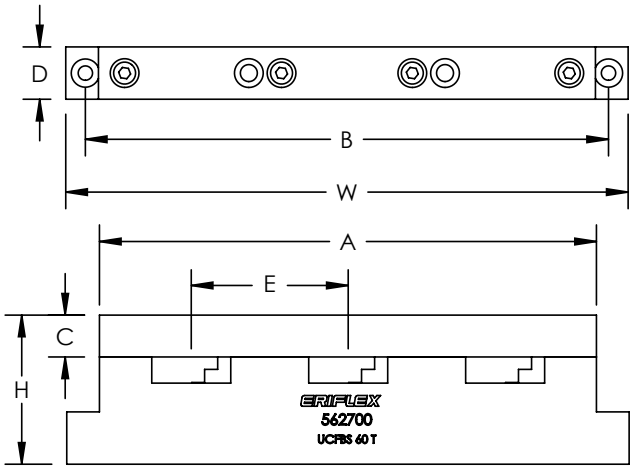
BULLETIN: ERI4

Catalog Number	H in./mm	W in./mm	A in./mm	B in./mm	C in./mm	X in./mm	Unit Weight (lb./kg)	Standard Package Qty.
FBSS32X5	1.85 47	13.31 - 15.35 338 - 390	12.80 - 14.84 325 - 377	11.42 290	2.56 65	.26 x .91 7 x 23	.70 .32	2

UCFBS-60-T BUSBAR SUPPORTS

SPECIFICATIONS

- Material: Polyamide
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: 5 to 266 F (-15 to 130 C)
- Typical Application Current Rating: 160 – 630 A
- Flammability Rating: UL 94V-0
- Busbar Width: .59 (15 mm); .79 (20 mm); .98 (25 mm); 1.18 (30 mm)
- Busbar Thickness: .20 (5 mm) – .39 (10 mm)



INDUSTRY STANDARDS

EAC; Cert No. 8546901000
Complies with IEC 60439.1; IEC 61439.1 (Busbar Support Cover only)

FEATURES

- Universal busbar support
- Three phase with neutral circuit
- End covers prevent busbars from sliding out of position (order separately)
- Halogen free
- RoHS compliant

UCOV60T Features:

- Prevents busbars from sliding out of position
- For use with UCFBS60T Busbar Support

BULLETIN: ERI4

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	E (in.)	E (mm)	Unit Weight (lb./kg)	Standard Package Qty.
UCFBS60T	.79	20	2.20	56	8.46	215	7.48	190	7.87	200	.63	16	2.36	60	.42 .19	4

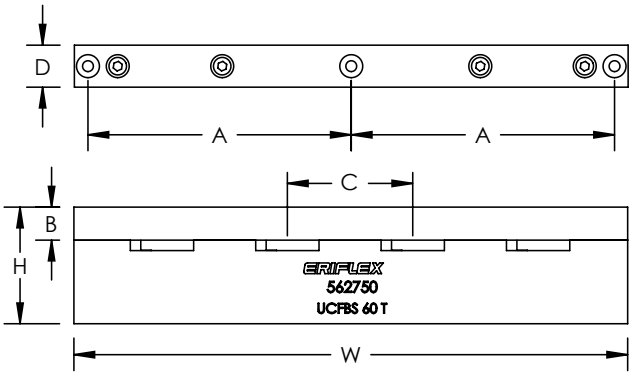
UCFBS-60-T Busbar Support Cover

Catalog Number	Typical Application Current Rating (A)	Maximum Working Voltage, IEC (Ui)	Working Temperature (°F/°C)	Unit Weight (lb./kg)	Standard Package Qty.
UCOV60T	160 - 630	1000 VAC, 1500 VDC	5 - 266 -15 - 130	.06 .03	2

UCFBS-60-TN BUSBAR SUPPORTS

SPECIFICATIONS

- Material: Polyamide
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: 5 to 266 F (-15 to 130 C)
- Typical Application Current Rating: 160 – 630 A
- Flammability Rating: UL 94V-0
- Busbar Width: .59 (15 mm); .79 (20 mm); .98 (25 mm); 1.18 (30 mm)
- Busbar Thickness: .20 (5 mm) – .39 (10 mm)



BULLETIN: ERI4

INDUSTRY STANDARDS

EAC; Cert No. 8546901000
Complies with IEC 60439.1; IEC 61439.1 (Busbar Support Cover only)

FEATURES

- Universal busbar support
- Three phase with neutral circuit
- End cover available to prevent busbar from sliding out of position
- Halogen free
- RoHS compliant

UCOV60TN FEATURES:

- Prevents busbars from sliding out of position
- For use with UCFBS60TN Busbar Support

Catalog Number	D in./mm	H in./mm	W in./mm	A in./mm	B in./mm	C in./mm	Unit Weight (lb./kg)	Standard Package Qty.
UCFBS60TN	.79 20	2.20 56	10.43 265	4.92 125	.63 16	2.36 60	.58 .26	4

UCFBS-60-TN Busbar Support Cover

Catalog Number	Typical Application Current Rating (A)	Maximum Working Voltage, IEC (Ui)	Working Temperature (°F/°C)	Unit Weight (lb./kg)	Standard Package Qty.
UCOV60TN	160 - 630	1000 VAC, 1500 VDC	5 - 266 -15 - 130	.07 .03	2

CFBS-100-T FLAT BUSBAR SUPPORTS

FEATURES

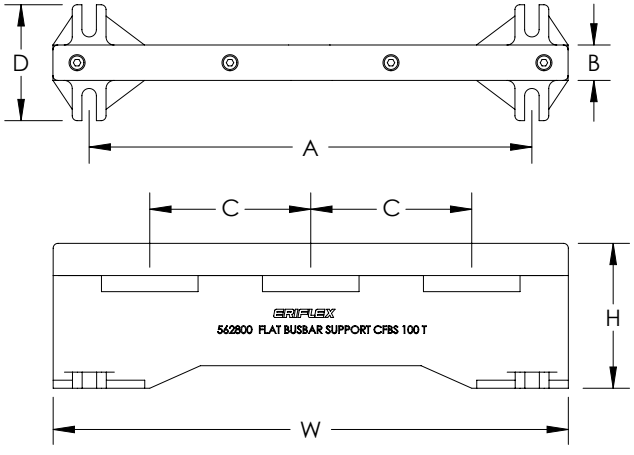
- Universal busbar support
- End cover prevents busbars from sliding out of position (order separately)
- Clips available to accommodate multiple busbar widths
- RoHS compliant

COV100T FEATURES:

- Prevents busbars from sliding out of position
- For use with CFBS Flat Busbar Support

SPECIFICATIONS

- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: 5 to 284 F (-15 to 140 C)
- Typical Application Current Rating: 630 – 1,200 A
- Flammability Rating: UL 94V-0



INDUSTRY STANDARDS

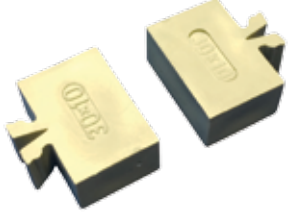
CE (Busbar Support only)
EAC; Cert No. 8546901000
Complies with IEC 61439-1 (Busbar Support only)
Complies with IEC 60439.1; IEC 61439.1 (Busbar Support Cover only)

BULLETIN: ERI4

Catalog Number	Busbars per Phase	Busbar Width in./mm	Busbar Thickness in./mm	D in./mm	H in./mm	W in./mm	A in./mm	B in./mm	C in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CFBS100T	1	2.36 60	.39 10	2.40 61	2.76 70	12.60 320	10.83 275	.87 22	3.94 100	.96 .44	4

Catalog Number	Maximum Working Voltage, IEC (Ui)	Working Temperature	Unit Weight (lb.)	Standard Package Qty.
COV100T	1000 VAC, 1500 VDC	5-284 F	.11	10

CFBS FLAT BUSBAR SUPPORT CLIPS



INDUSTRY STANDARDS

EAC; Cert No. 8546901000

FEATURES

- Use with CFBS Flat Busbar Support to support multiple busbar widths
- RoHS compliant

BULLETIN: ERI4

Catalog Number	Busbar Width in./mm	Busbar Thickness in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CLIP10040X10	1.57 40	.39 10	.010	.005	24
CLIP10050X10	1.97 50	.39 10	.004	.002	24

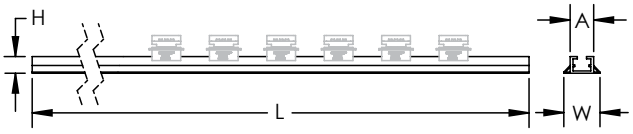
Clips must be installed in pairs per phase.

ADJUSTABLE FLAT BUSBAR SUPPORT RAIL

INDUSTRY STANDARDS
EAC; Cert No. 8546901000

FEATURES
- Rail for building custom adjustable flat busbar supports
- RoHS compliant

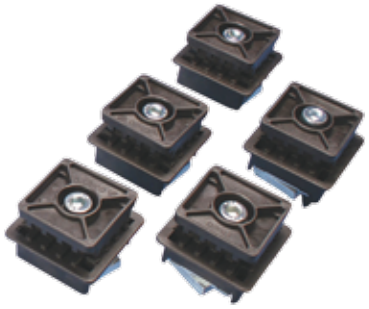
SPECIFICATIONS
- Material: Aluminum



BULLETIN: ERI4

Catalog Number	L (in.)	L (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
ALP2000	78.74	2000	1.14	29	2.48	63	1.61	41	6.50	2.95	2

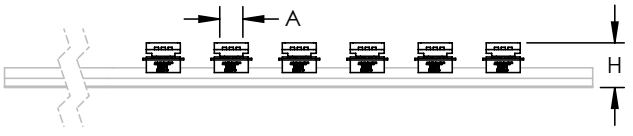
ADJUSTABLE FLAT BUSBAR SUPPORT INSULATOR



FEATURES
- Use with Adjustable Flat Busbar Support Rail to create custom busbar supports
- Adjusts quickly to accommodate multiple busbar thicknesses
- High resistance to short-circuit forces
- Provides excellent electrical protection for equipment
- Halogen free
- RoHS compliant

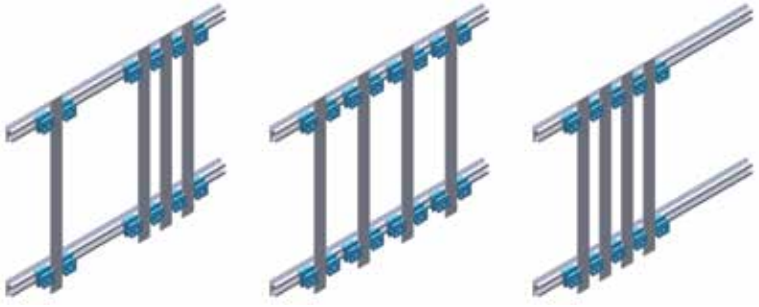
SPECIFICATIONS
- Material: Glass Fiber Reinforced Polyamide
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0

INDUSTRY STANDARDS
CE
EAC; Cert No. 8546901000
Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

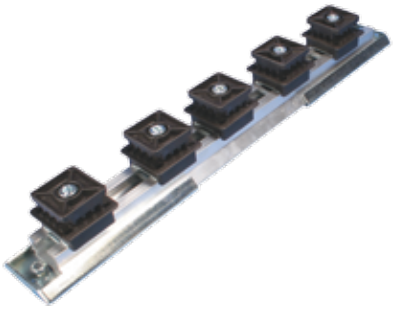


BULLETIN: ERI4

Catalog Number	Busbar Width (in.)	Busbar Width (mm)	Busbar Thickness (in.)	Busbar Thickness (mm)	H (in.)	H (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SIALPB	1.18 - 4.92	30 - 125	.20 - .39	5 - 10	2.76	70	1.34	34	.57	.26	12



ADJUSTABLE FLAT BUSBAR SUPPORT KIT



INDUSTRY STANDARDS

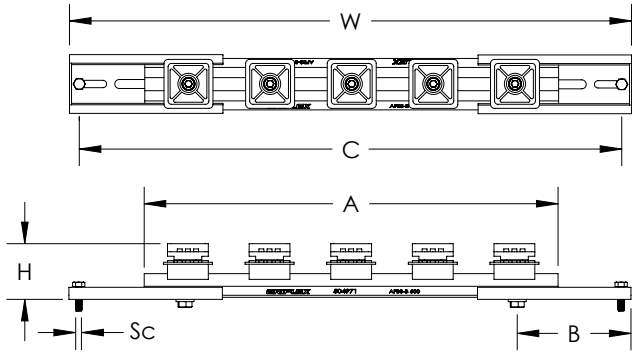
CE
EAC, Cert No. 8546901000
Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Kit includes rail, insulators and mountable extension arms
- Adjustable distances between phases
- Adjusts quickly to accommodate multiple busbar thicknesses
- High resistance to short-circuit forces
- Provides excellent electrical protection for equipment
- Three phase with neutral circuit
- Halogen free
- RoHS compliant

SPECIFICATIONS

- Material: Steel, Aluminum, Glass Fiber Reinforced Polyamide
- Max Working Voltage, IEC (Ui): 1,000 VAC, 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0



BULLETIN: ERI4

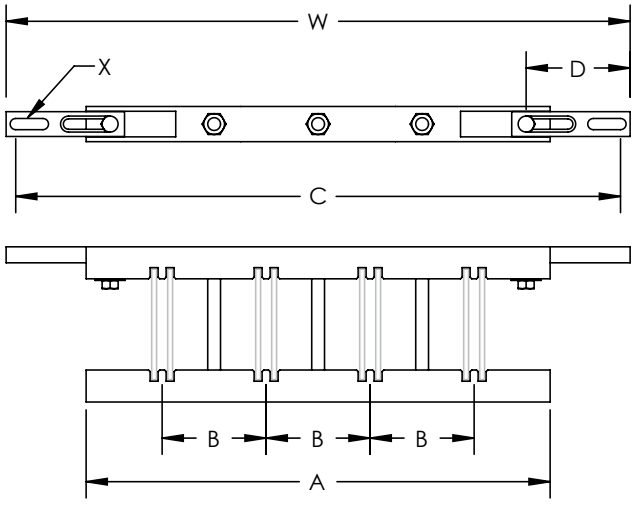
2

Catalog Number	Busbar Width in./mm	Busbar Thickness in./mm	A in./mm	B in./mm	C in./mm	H in./mm	W in./mm	Sc	Unit Weight (lbs./kg)	Standard Package Qty.
AFBSB600	1.18 - 3.15 30 - 80	.20 - .39 5 - 10	19.96 507	2.40 - 6.93 61 - 176	20.67 - 28.54 525 - 725	2.76 70	21.61 - 29.49 549 - 749	M8	4.85 2.20	1

COMPACT BUSBAR SUPPORT WITH NEUTRAL CIRCUIT

SPECIFICATIONS

- Material: Aluminum; Glass Fiber Reinforced Polyamide
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Typical Application Current Rating: 250 – 1,600 A
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0



INDUSTRY STANDARDS

CE
EAC; Cert No. 8546901000
Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

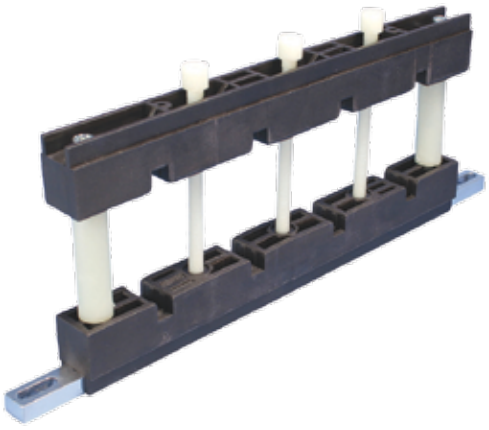
FEATURES

- Compact design fits in 15.75 (400 mm) deep panels
- Includes mounting holes for direct fixing of protection screen
- Installs quickly and easily
- Halogen free
- RoHS compliant

BULLETIN: ERI4

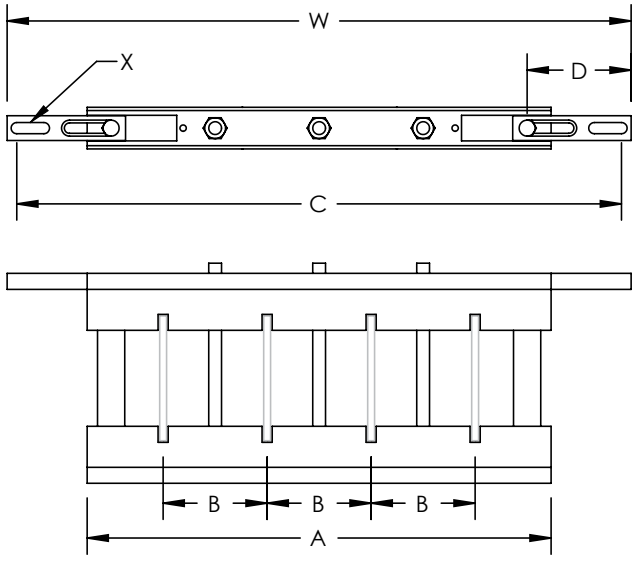
Catalog Number	Busbars per Phase	Busbar Width in./mm	Busbar Thickness in./mm	W in./mm	A in./mm	B in./mm	C in./mm	D in./mm	X in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CBSB25TN	1 - 2	.98 – 3.15 25 - 80	.20 5	13.31 - 15.35 338 - 390	11.42 290	2.56 65	12.80 - 14.84 325 - 377	2.56 65	.26 x .91 7 x 23	.44 .20	1
CBSB110TN	1	.98 – 3.15 25 - 80	.39 10	13.31 - 15.35 338 - 390	11.42 290	2.36 60	12.80 - 14.84 325 - 377	2.56 65	.26 x .91 7 x 23	.57 .26	1

REINFORCED COMPACT BUSBAR SUPPORT WITH NEUTRAL CIRCUIT



SPECIFICATIONS

- Material: Aluminum; Glass Fiber Reinforced Polyamide
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0



INDUSTRY STANDARDS

CE
EAC; Cert No. 8546901000
Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

FEATURES

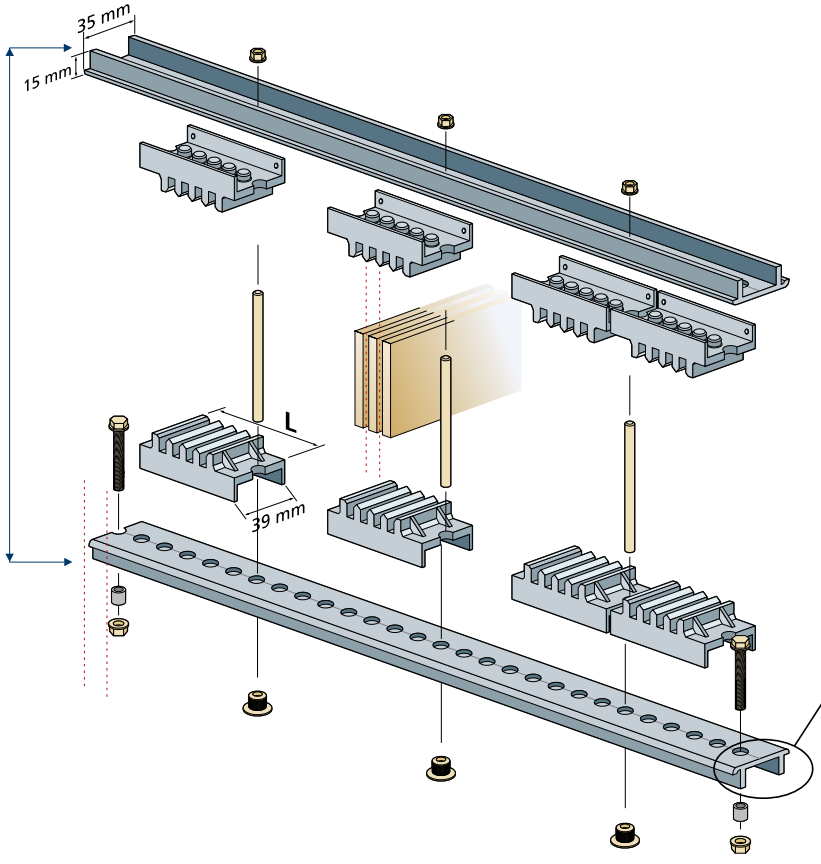
- Compact design fits in 15.75 (400 mm) deep panels
- Mechanically reinforced
- Includes mounting holes for direct fixing of protection screen
- Installs quickly and easily
- Halogen free
- RoHS compliant

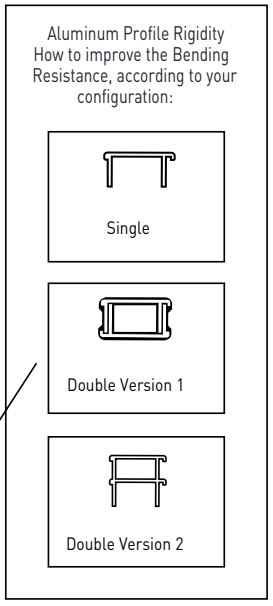
BULLETIN: ERI4

Catalog Number	Typical Application Current Rating (A)	Busbars per Phase	Busbar Width in./mm	Busbar Thickness in./mm	W in./mm	A in./mm	B in./mm	C in./mm	D in./mm	X in./mm	Unit Weight (lb./kg)	Standard Package Qty.
RCBS16TN	500 - 1200	1	.98 - 3.15 25 - 80	.25 6	13.31 - 15.35 338 - 390	11.42 290	2.56 65	12.80 - 14.84 325 - 377	2.56 65	.26 x .91 7 x 23	1.43 .65	1
RCBS110TN	500 - 1600	1	1.97 - 3.15 50 - 80	.39 10	13.31 - 15.35 338 - 390	11.42 290	2.56 65	12.80 - 14.84 325 - 377	2.56 65	.26 x .91 7 x 23	1.37 .62	1

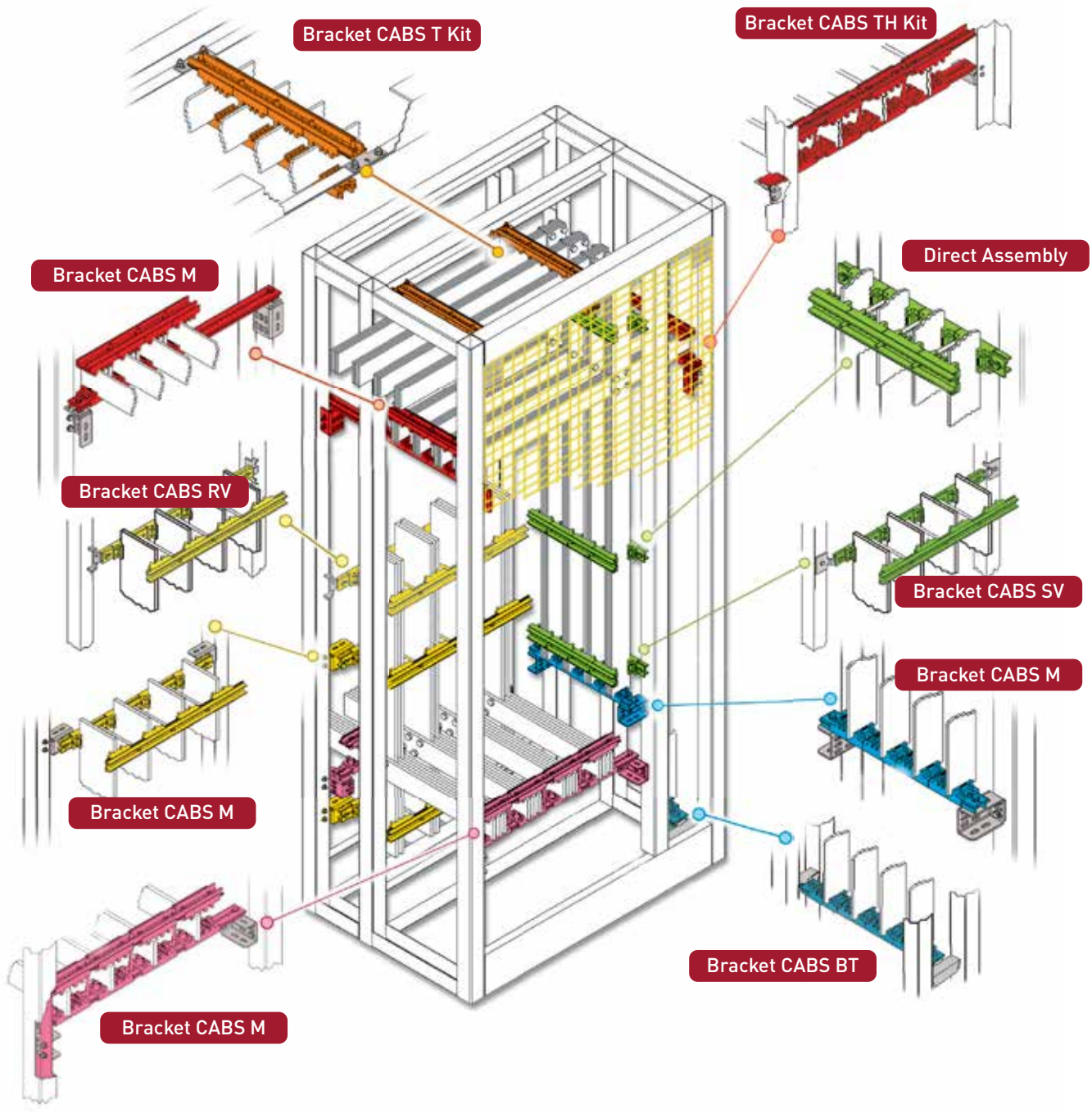
COMPACT AND ADJUSTABLE BUSBAR SUPPORTS (CABS)

- Bureau Veritas; Marine and Off-Shore division for the classification of steel ships
- Universal fixing support
- Easy to install
- Adjustable distance between each phase (12.5 mm pitch)
- Standard or customized support
- Cost-effective
- For all busbar types and ERIFLEX ERILINK busducts
- Halogen free
- Working temperature: -40 C up to 130 C
- Self extinguishing UL 94V-0
- Panels: 300 to 800 mm
- Bars: 30 to 125 mm
- Thickness: 5 or 10 mm
- From 400 amps up to 4500 amps





COMPACT AND ADJUSTABLE BUSBAR SUPPORTS APPLICATION



CABS MODULE KIT, UL

FEATURES

- Modules provide flexibility to select distance between phases and supports
- Provides appropriate spacing between busbars in the same phase for cooling
- Pins align with holes on support rails to allow for incremental positioning
- Works with copper or aluminium busbar
- Installs quickly and easily
- Halogen free insulators
- Compact design provides strength and rigidity
- Engineered and standardized design
- Time-savings and lower total install costs compared to traditional methods
- RoHS compliant

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide
- Typical Application Current Rating: 400 – 4,500 A
- Dielectric Strength, UL: 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0

BULLETIN: ERI4

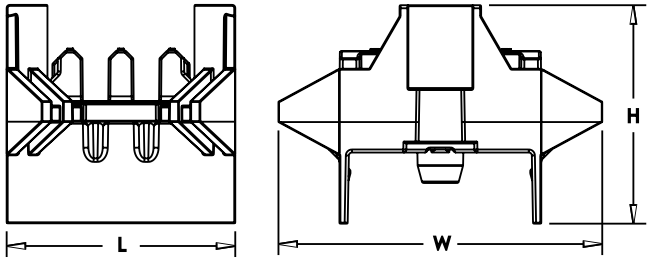
INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

Catalog Number	Busbars per Phase	Busbar Width in./mm	Busbar Thickness in./mm	H in./mm	W in./mm	L in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CABS142T	1 - 2	2.00 - 6.00 51 - 152	.25 6	2.15 55	3.20 81	2.25 57	.95 .43	1
CABS382T	1 - 2	2.00 - 6.00 51 - 152	.38 10	1.96 50	3.20 81	3.00 76	1.23 .56	1
CABS143T	1 - 3	2.00 - 6.00 51 - 152	.25 6	2.02 51	3.20 81	3.75 95	1.54 .70	1
CABS383T	1 - 3	2.00 - 6.00 51 - 152	.38 10	1.96 50	3.20 81	3.00 76	1.28 .58	1
CABS144T	1 - 4	2.00 - 6.00 51 - 152	.25 6	1.90 48	3.20 81	3.75 95	1.61 .73	1
CABS384T	1 - 4	2.00 - 6.00 51 - 152	.38 10	1.96 50	3.20 81	4.25 108	1.90 .86	1

Typical Application Rating is dependent upon busbar size, current rating, temperature, and enclosure size.



CABS MODULE KIT WITH NEUTRAL CIRCUIT, UL

FEATURES

- Modules provide flexibility to select distance between phases and supports
- Provides appropriate spacing between busbars in the same phase for cooling
- Pins align with holes on support rails to allow for incremental positioning
- Works with copper or aluminium busbar with square, rounded, 1 mm radius or full radius edges
- Installs quickly and easily
- Halogen free insulators
- Compact design provides strength and rigidity
- Engineered and standardized design
- Time-savings and lower total install costs compared to traditional methods
- RoHS compliant

INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

SPECIFICATIONS

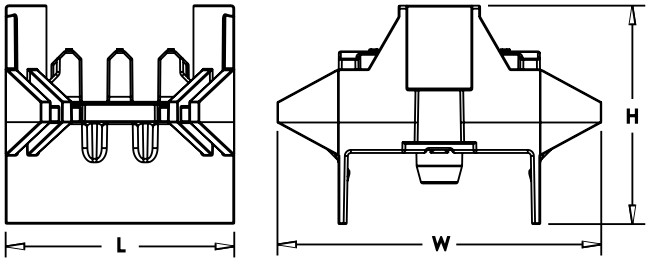
- Material: Glass Fiber Reinforced Polyamide
- Typical Application Current Rating: 400 – 4,500 A
- Dielectric Strength, UL: 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0

BULLETIN: ERI4

2

Catalog Number	Busbars per Phase	Busbar Width in./mm	Busbar Thickness in./mm	H in./mm	W in./mm	L in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CABS142TN	1 - 2	2.00 - 6.00 51 - 152	.25 6	2.15 55	3.20 81	2.25 57	1.26 .57	1
CABS382TN	1 - 2	2.00 - 6.00 51 - 152	.38 10	1.96 50	3.20 81	3.00 76	1.63 .74	1
CABS143TN	1 - 3	2.00 - 6.00 51 - 152	.25 6	2.02 51	3.20 81	3.75 95	2.05 .93	1
CABS383TN	1 - 3	2.00 - 6.00 51 - 152	.38 10	1.96 50	3.20 81	3.00 76	1.72 .78	1
CABS144TN	1 - 4	2.00 - 6.00 51 - 152	.25 6	1.90 48	3.20 81	3.75 95	2.14 .97	1
CABS384TN	1 - 4	2.00 - 6.00 51 - 152	.38 10	1.96 50	3.20 81	4.25 108	2.54 1.15	1

Typical Application Rating is dependent upon busbar size, current rating, temperature, and enclosure size.



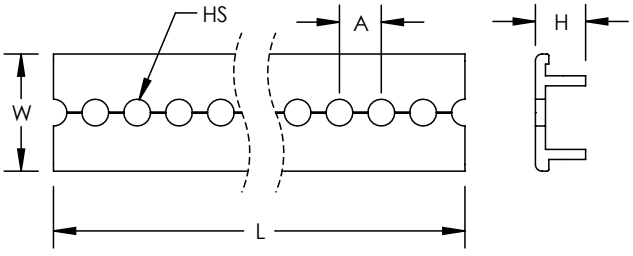
CABS ALUMINUM PROFILE, UL

SPECIFICATIONS

- Material: Aluminum

FINISH

- Finish: Anodized



BULLETIN: ERI4

2

INDUSTRY STANDARDS

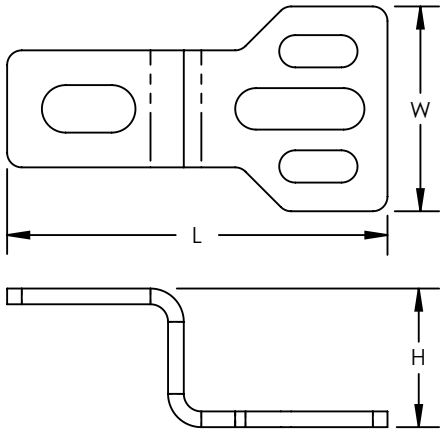
UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

FEATURES

- For use with CABS module kits, UL
- Available in multiple lengths to accommodate various widths and depths of enclosures
- Factory punched holes for quick assembly
- Evenly spaced holes provide consistent and accurate spacing
- Improve bending resistance by interlocking or stacking two profiles
- Time-savings and lower total install costs compared to traditional methods
- Engineered and standardized design
- RoHS compliant

Catalog Number	L in./mm	H in./mm	W in./mm	Ø HS in./mm	A in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CABSAL18	18.00 457	1.15 29	1.80 46	.47 12	.75 19	1.52 .69	2
CABSAL24	24.00 610	1.15 29	1.80 46	.47 12	.75 19	2.03 .92	2
CABSAL30	30.00 762	1.15 29	1.80 46	.47 12	.75 19	2.54 1.15	2
CABSAL36	36.00 914	1.15 29	1.80 46	.47 12	.75 19	3.04 1.38	2
CABSAL48	48.00 1,219	1.15 29	1.80 46	.47 12	.75 19	4.06 1.84	2
CABSAL54	54.00 1,372	1.15 29	1.80 46	.47 12	.75 19	4.56 2.07	2

CABS-E BRACKET, UL



INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

FEATURES

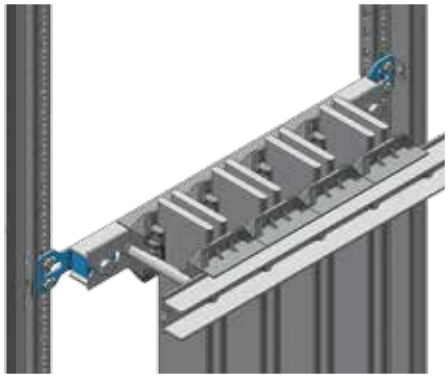
- Quickly and easily installs on aluminum profile and enclosure structure
- Slotted holes in bracket allow for easy installation adjustments
- Time-savings and lower total install costs compared to traditional methods
- Engineered and standardized design
- RoHS compliant

SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized



BULLETIN: ERI4

Catalog Number	H in./mm	L in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CABSBRKTKITE	1.20	3.25	1.75	.27	10
	31	83	45	.12	

Brackets must be installed in pairs.

CABS-M BRACKET, UL

FEATURES

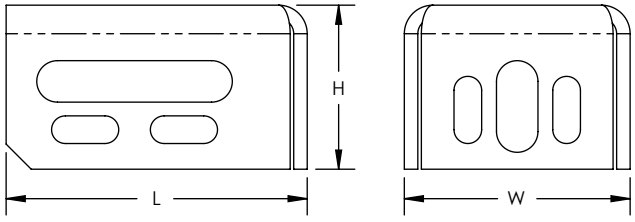
- Quickly and easily installs on aluminum profile and enclosure structure
- Slotted holes in bracket allow for easy installation adjustments
- Can be used with Hoffman PROLINE G2 front load BV-M6 fastener
- Time-savings and lower total install costs compared to traditional methods
- Engineered and standardized design
- RoHS compliant

SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized



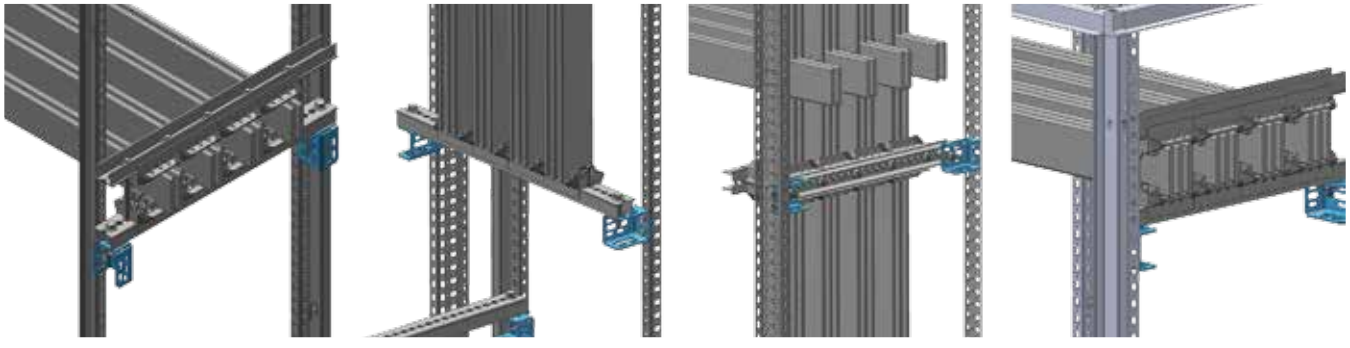
INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

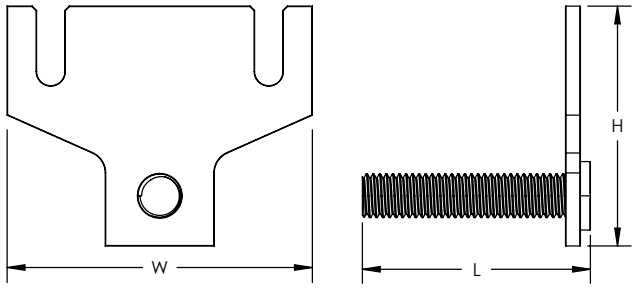
BULLETIN: ERI4

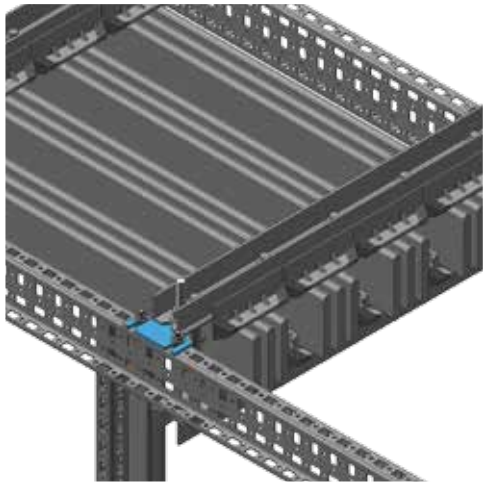
Catalog Number	H in./mm	L in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CABSBRKTKITM	1.65 42	3.00 76	2.25 57	1.32 .60	10

Brackets must be installed in pairs.



CABS-T BRACKET, UL





INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

FEATURES

- Quickly and easily installs on aluminum profile and enclosure structure
- Slotted holes in bracket allow for easy installation adjustments
- Time-savings and lower total install costs compared to traditional methods
- Engineered and standardized design
- RoHS compliant

SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	H in./mm	L in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CABSBRKTKITT	2.17 55	2.06 52	2.76 70	.25 .11	10

Brackets must be installed in pairs.

CABS HARDWARE KIT, UL

FEATURES

- Kit includes 4 threaded rods, 4 inserts, 2 screws, 10 nuts, 6 spacers and sleeve
- Multiple rod lengths available to accommodate various busbar widths and profile configurations
- Threaded rods are made from non-magnetic stainless steel to reduce the magnetic loop between phases
- Insulator sleeves allow for minimal space between phases
- Robust hardware provides strength and rigidity
- Installs quickly and easily
- Time-savings and lower total install costs compared to traditional methods
- Engineered and standardized design
- RoHS compliant

SPECIFICATIONS

- Material: Stainless Steel 316 (EN 1.4401); Steel; Polyolefin

FINISH

- Finish: Electrogalvanized

BULLETIN: ERI4

INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

2

Catalog Number	Rod Length (in.)	Rod Length (mm)	Thread Size	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CABS140HWT	5.51	140	M10	.60	.27	1
CABS190HWT	7.48	190	M10	.66	.30	1
CABS220HWT	8.66	220	M10	.67	.30	1

Busbar Width (in.)	Busbar Width (mm)	Single Profile Support	Double Profile Support
2.00	51	CABS140HWT	CABS140HWT
2.50	64	CABS140HWT	CABS190HWT
3.00	76	CABS140HWT	CABS190HWT
4.00	102	CABS190HWT	CABS190HWT
5.00	127	CABS190HWT	CABS220HWT
6.00	152	CABS220HWT	CABS220HWT

Threaded rods must be installed on both sides of each phase.

CABS WITH NEUTRAL CIRCUIT HARDWARE KIT, UL

FEATURES

- Kit includes 5 threaded rods, 5 inserts, 2 screws, 12 nuts, 7 spacers and sleeve
- Multiple rod lengths available to accommodate various busbar widths and profile configurations
- Threaded rods are made from non-magnetic stainless steel to reduce the magnetic loop between phases
- Insulator sleeves allow for minimal space between phases
- Robust hardware provides strength and rigidity
- Installs quickly and easily
- Time-savings and lower total install costs compared to traditional methods
- Engineered and standardized design
- RoHS compliant

INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

SPECIFICATIONS

- Material: Stainless Steel 316 (EN 1.4401); Steel; Polyolefin

FINISH

- Finish: Electrogalvanized

BULLETIN: ERI4

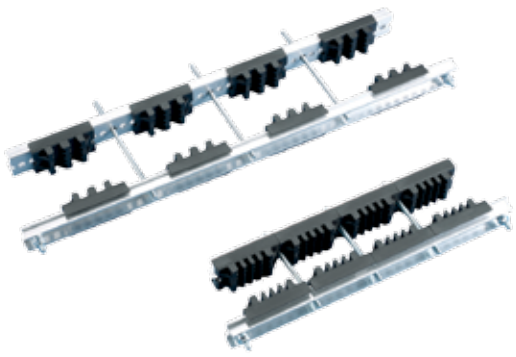
2

Catalog Number	Rod Length (in.)	Rod Length (mm)	Thread Size	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CABS140HWTN	5.51	140	M10	.75	.34	1
CABS190HWTN	7.48	190	M10	.82	.37	1
CABS220HWTN	8.66	220	M10	.91	.41	1

Busbar Width (in.)	Busbar Width (mm)	Single Profile Support	Double Profile Support
2.00	51	CABS140HWT	CABS140HWT
2.50	64	CABS140HWT	CABS190HWT
3.00	76	CABS140HWT	CABS190HWT
4.00	102	CABS190HWT	CABS190HWT
5.00	127	CABS190HWT	CABS220HWT
6.00	152	CABS220HWT	CABS220HWT

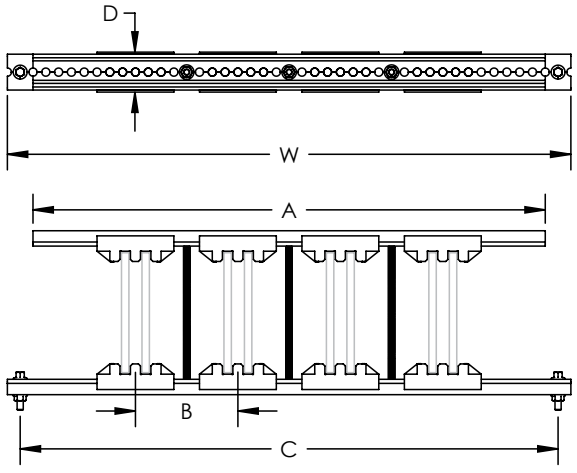
Threaded rods must be installed on both sides of each phase.

CABS BUSBAR SUPPORT KIT



SPECIFICATIONS

- Material: Aluminum; Glass Fiber Reinforced Polyamide; Steel
- Finish: Electrogalvanized
- Typical Application Current Rating: 400 – 4,500 A
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0



BULLETIN: ERI4

2

INDUSTRY STANDARDS

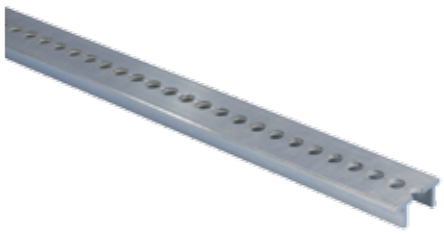
Bureau Veritas; Cert No. 41941 BV
CE
EAC; Cert No. 8546901000
Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

FEATURES

- For all busbar types and ERIFLEX ERILINK busducts
- Improve bending resistance by interlocking or stacking two profiles
- Quick and easy to install
- Halogen free insulators
- RoHS compliant

Catalog Number	Busbars per Phase	Busbar Width (in.)	Busbar Width (mm)	Busbar Thickness (in.)	Busbar Thickness (mm)	D (in.)	D (mm)	W (in.)	W (mm)	A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CABS45TN400	1 - 4	1.18 - 4.72	30 - 120	.20	5	1.54	39	13.78	350	11.81	300	2.95	75	12.80	325	1.76	.80	1
CABS210TN400	1 - 2	1.18 - 4.72	30 - 120	.39	10	1.54	39	13.78	350	11.81	300	2.95	75	12.80	325	1.70	.77	1
CABS45TN600	1 - 4	1.18 - 4.72	30 - 120	.20	5	1.54	39	21.65	550	19.69	500	2.95 - 4.92	75 - 125	20.67	525	1.85	.84	1
CABS210TN600	1 - 2	1.18 - 4.72	30 - 120	.39	10	1.54	39	21.65	550	19.69	500	2.95 - 4.92	75 - 125	20.67	525	1.79	.81	1

CABS-APP ALUMINUM PROFILE

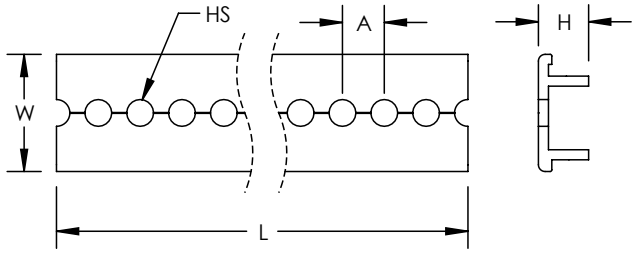


FEATURES

- For use with CABS module kits
- Factory punched holes for quick assembly
- Improve bending resistance by interlocking or stacking two profiles
- RoHS compliant

SPECIFICATIONS

Material: Aluminum



INDUSTRY STANDARDS

CE

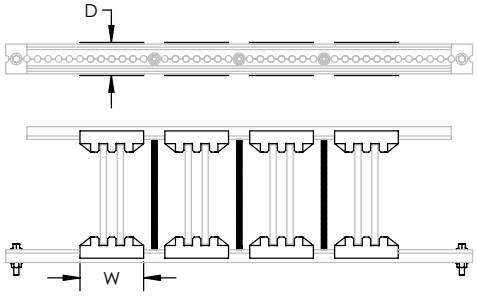
BULLETIN: ERI4

Catalog Number	L ft./m	H in./mm	W in./mm	Ø HS in./mm	A in./mm	Unit Weight (lb./kg)	Standard Package Qty.
CABSAPP	6.56	.59	1.38	.31	.49	1.98	2
	2	15	35	8	12	.90	

CABS MODULE KIT WITH NEUTRAL CIRCUIT

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Finish: Electrogalvanized
- Typical Application Current Rating: 400 – 4,500 A
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0



INDUSTRY STANDARDS

CE
EAC; Cert No. 8546901000
Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

BULLETIN: ERI4

FEATURES

- Modules provide flexibility to select distance between phases and supports
- Installs quickly and easily
- Halogen free insulators
- RoHS compliant

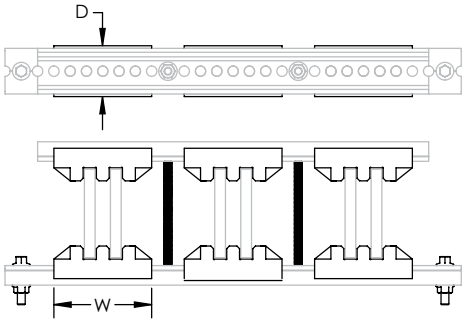
Catalog Number	Busbars per Phase	Busbar Width (in.)	Busbar Width (mm)	Busbar Thickness (in.)	Busbar Thickness (mm)	D (in.)	D (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CABS210TNMOD	1 - 2	1.18 - 4.72	30 - 120	.39	10	1.54	39	2.95	75	1.06	.48	1
CABS310TNMOD	1 - 3	1.18 - 4.72	30 - 120	.20	5	1.54	39	3.94	100	1.28	.58	1
CABS45TNMOD	1 - 4	1.18 - 4.72	30 - 120	.39	10	1.54	39	2.95	75	1.10	.50	1

CABS modules must be installed on CABS-APP Aluminium Profile.

CABS MODULE KIT

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Finish: Electrogalvanized
- Typical Application Current Rating: 400 – 4,500 A
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0



BULLETIN: ERI4

INDUSTRY STANDARDS

CE
EAC; Cert No. 8546901000
Complies With: IEC60439.1; IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Modules provide flexibility to select distance between phases and supports
- Installs quickly and easily
- Halogen free insulators
- RoHS compliant

Catalog Number	Busbars per Phase	Busbar Width (in.)	Busbar Width (mm)	Busbar Thickness (in.)	Busbar Thickness (mm)	D (in.)	D (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CABS210TMOD	1 - 2	1.18 - 4.72	30 - 120	.39	10	1.54	39	2.95	75	.82	.37	1
CABS310TMOD	1 - 3	1.18 - 4.72	30 - 120	.39	10	1.54	39	3.94	100	.99	.45	1
CABS45TMOD	1 - 4	1.18 - 4.92	30 - 125	.20	5	1.54	39	2.95	75	.86	.39	1

CABS modules must be installed on CABS-APP Aluminium Profile.

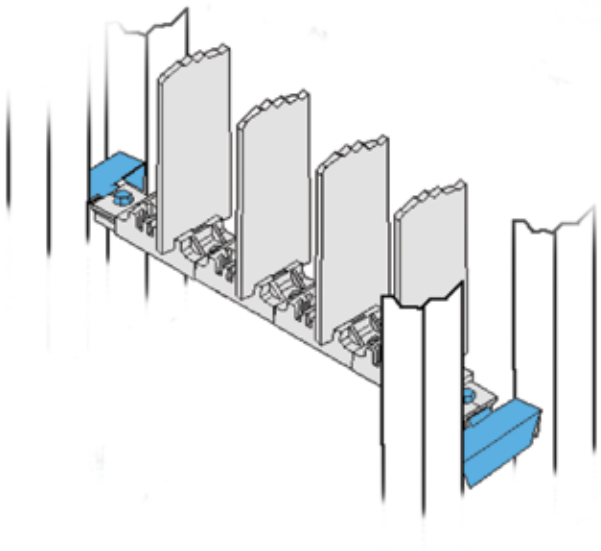
CABS-BT BRACKET

INDUSTRY STANDARDS
CE
Complies with IEC61439.1

FEATURES
- Designed to be installed at the bottom of an enclosure
- Brackets must be installed in pairs
- RoHS compliant

SPECIFICATIONS
Material: Steel

FINISH
Finish: Electrogalvanized



BULLETIN: ERI4

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
CABSBT	.44 .20	10

CABS-E BRACKET

INDUSTRY STANDARDS
CE
Complies with IEC61439.1

FEATURES
- Attaches CABS supports or profiles to ERIFLEX ERILINK Busduct structures
- Brackets must be installed in pairs
- RoHS compliant

SPECIFICATIONS
Material: Steel

FINISH
Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
CABSE	.10 .05	10

CABS-M BRACKET

INDUSTRY STANDARDS
CE
Complies with IEC61439.1

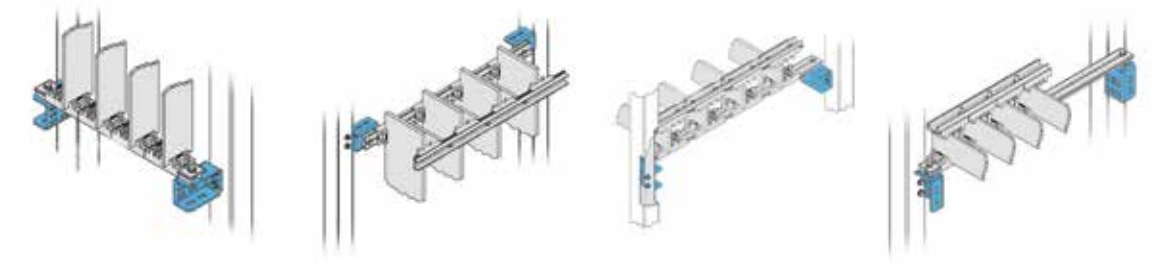
FEATURES
- Universal bracket to attach CABS supports or profiles to the panel structure
- Brackets must be installed in pairs
- RoHS compliant

SPECIFICATIONS
Material: Steel

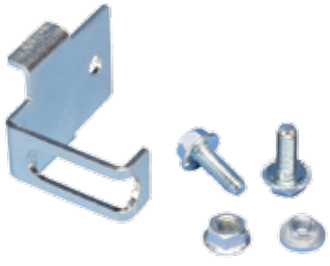
FINISH
Finish: Electrogalvanized

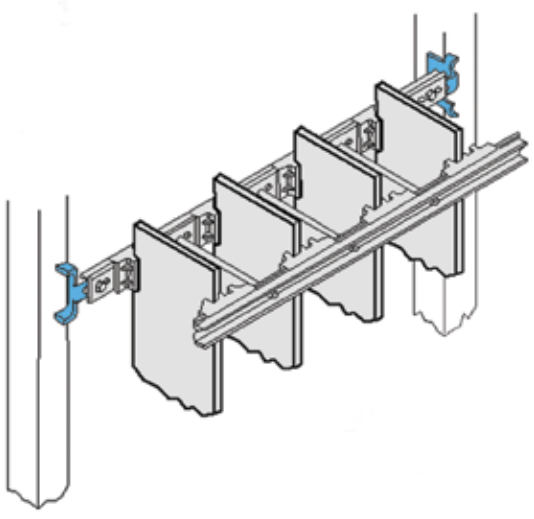
BULLETIN: ERI4

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
CABSM	.44 .20	10



CABS-RV BRACKET





INDUSTRY STANDARDS
CE
Complies with IEC61439.1

FEATURES
- Designed to be installed on the rear structure of an enclosure
- Brackets must be installed in pairs
- RoHS compliant

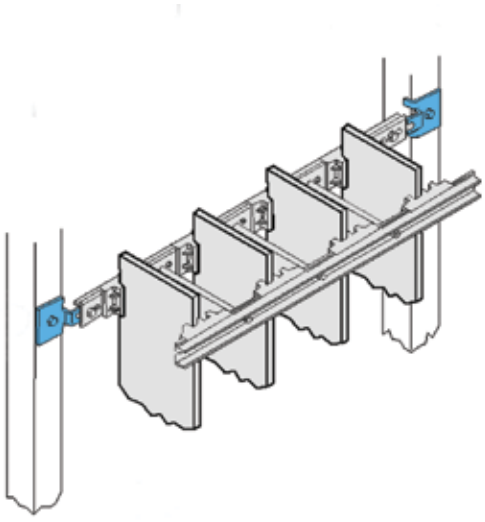
SPECIFICATIONS
Material: Steel

FINISH
Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
CABSRV	.13 .06	10

CABS-SV BRACKET



INDUSTRY STANDARDS
CE
Complies with IEC61439.1

FEATURES
- Designed to be installed on the side structure of an enclosure
- Brackets must be installed in pairs
- RoHS compliant

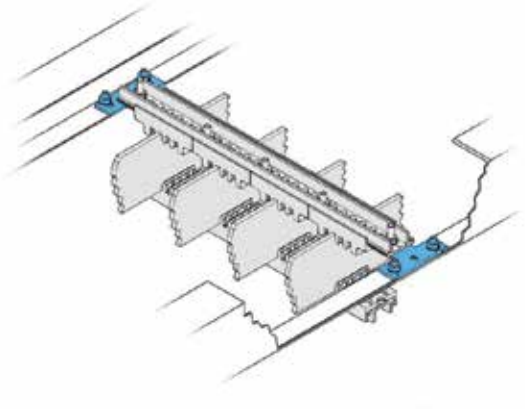
SPECIFICATIONS
Material: Steel

FINISH
Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
CABSSV	.11 .05	10

CABS-T BRACKET KIT



INDUSTRY STANDARDS
CE
Complies with IEC61439.1

FEATURES
- Designed to be installed on the top structure of an enclosure
- Brackets must be installed in pairs
- RoHS compliant

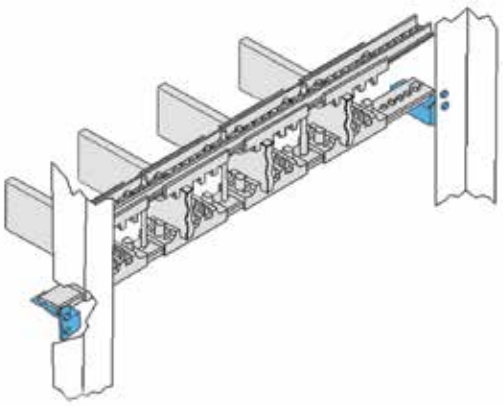
SPECIFICATIONS
Material: Steel

FINISH
Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
CABST	.24 .11	5

CABS-TH BRACKET KIT



INDUSTRY STANDARDS
CE
Complies with IEC61439.1

FEATURES
- Designed to support the top horizontal CABS busbar supports in an enclosure
- Brackets must be installed in pairs
- RoHS compliant

SPECIFICATIONS
Material: Steel

FINISH
Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
CABSTH	.55 .25	5

CABS FIXING KIT

INDUSTRY STANDARDS
CE
EAC; Cert No. 8546901000
Complies with IEC61439.1

FEATURES
- Reinforces CABS supports when the distance between phases is greater than 6.89 (175 mm) and when the aluminium profile is longer than 23.62 (600 mm)
- Threaded rods must be installed on both sides of each phase
- Kit includes 12 threaded rods, 6 nuts and 6 washers

SPECIFICATIONS
Material: Steel

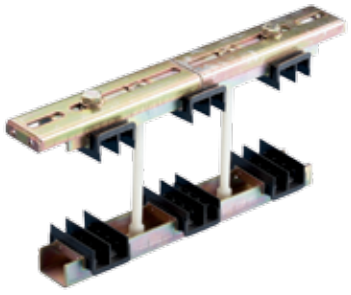
FINISH
Finish: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Thread Size	Unit Weight (lb./kg)	Standard Package Qty.
CABSFIXKIT	M6	.68 .31	1

Notes

UNIVERSAL BUSBAR SUPPORTS



INDUSTRY STANDARDS

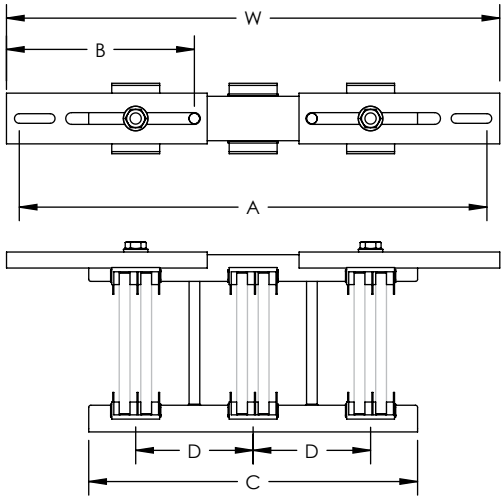
Bureau Veritas; Cert No. 41941 BV
CE
EAC; Cert No. 8546901000
Complies With: IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Universal fixing system
- Installs quickly and easily
- Extremely robust construction
- Adjustable arms for easy mounting
- Halogen free insulators
- RoHS compliant

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability rating: UL94V-0



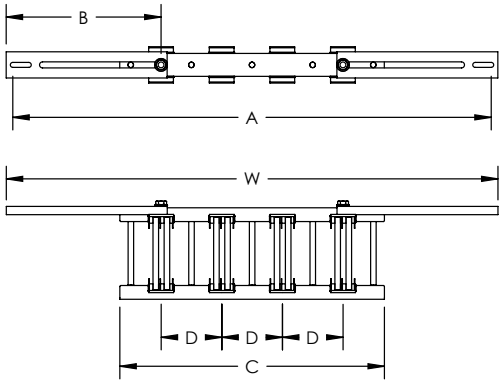
BULLETIN: ERI4

Catalog Number	Typical Application Current Rating (A)	Busbars per Phase	Busbar Width in./mm	Busbar Thickness in./mm	W in./mm	A in./mm	B in./mm	C in./mm	D in./mm	Unit Weight (lb./kg)	Standard Package Qty.
UBS45T	3500	1 - 4	1.18 - 4.92 30 - 125	.20 5	14.76 - 22.64 375 - 575	13.78 - 21.65 350 - 550	6.93 176	12.09 307	4.33 110	4.89 2	1
UBS210T	3600	1 - 2	1.18 - 4.92 30 - 125	.39 10	14.76 - 22.64 375 - 575	13.78 - 21.65 350 - 550	6.93 176	12.09 307	4.33 110	4.81 2	1

UNIVERSAL BUSBAR SUPPORT WITH NEUTRAL CIRCUIT

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability rating: UL94V-0



INDUSTRY STANDARDS

Bureau Veritas; Cert No. 41941 BV
CE
EAC; Cert No. 8546901000
Complies With: IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

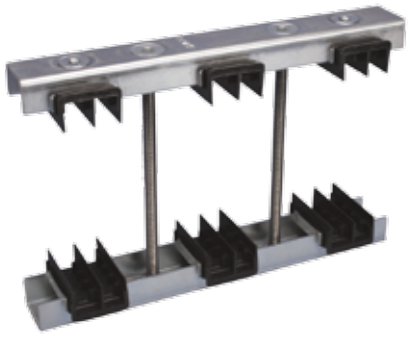
FEATURES

- Universal fixing system
- Installs quickly and easily
- Extremely robust construction
- Adjustable arms for easy mounting
- Halogen free insulators
- RoHS compliant

BULLETIN: ERI4

Catalog Number	Typical Application Current Rating (A)	Busbars per Phase	Busbar Width in./mm	Busbar Thickness in./mm	W in./mm	A in./mm	B in./mm	C in./mm	D in./mm	Unit Weight (lb./kg)	Standard Package Qty.
UBS15TN	1700	1	1.18 - 4.92 30 - 125	.20 5	14.96 - 24.02 380 - 610	14.17 - 23.23 360 - 590	6.93 176	11.81 300	2.76 70	4.10 2	1
UBS110TN	2250	1	1.18 - 4.72 30 - 120	.39 10	14.96 - 24.02 380 - 610	14.17 - 23.23 360 - 590	6.93 176	11.81 300	2.76 70	4.10 2	1
UBS45TN	3500	1 - 4	1.18 - 4.92 30 - 125	.20 5	23.03 - 35.24 585 - 895	22.05 - 34.06 560 - 865	11.06 281	18.90 480	4.33 110	6.35 3	1
UBS210TN	3600	1 - 2	1.18 - 4.72 30 - 120	.39 10	23.03 - 35.24 585 - 895	22.05 - 34.06 560 - 865	11.06 281	18.90 480	4.33 110	6.31 3	1
UBS310TN	4500	1 - 3	1.18 - 4.72 30 - 120	.39 10	23.03 - 35.24 585 - 895	22.05 - 34.06 560 - 865	11.06 281	18.90 480	4.33 110	6.39 3	1

UNIVERSAL BUSBAR SUPPORT, HIGH AMPACITY

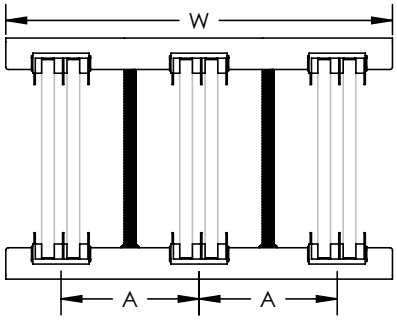


FEATURES

- Universal fixing system
- Installs quickly and easily
- Extremely robust construction
- Screws are made from non-magnetic stainless steel
- Halogen free insulators
- RoHS compliant

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Stainless Steel 304 (EN 1.4301); Steel
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability rating: UL94V-0



2

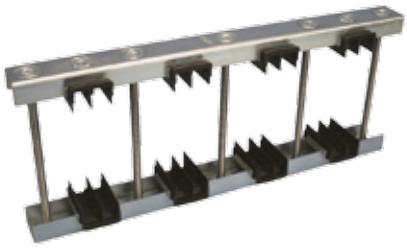
INDUSTRY STANDARDS

Bureau Veritas; Cert No. 41941 BV
CE
EAC; Cert No. 8546901000
Complies With: IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

BULLETIN: ERI4

Catalog Number	Typical Application Current Rating (A)	Busbars per Phase	Busbar Width (in.)	Busbar Width (mm)	Busbar Thickness (in.)	Busbar Thickness (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UBS210T160	5700	1 - 2	6.30	160	.39	10	12.09	307	4.33	110	5.73	2.6	1

UNIVERSAL BUSBAR SUPPORT WITH NEUTRAL CIRCUIT, HIGH AMPACITY



FEATURES

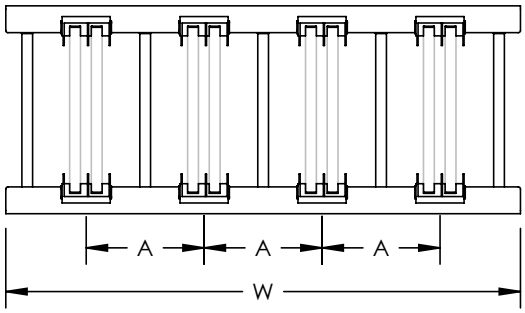
- Universal fixing system
- Installs quickly and easily
- Extremely robust construction
- Screws are made from non-magnetic stainless steel
- Halogen free insulators
- RoHS compliant

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability rating: UL94V-0

INDUSTRY STANDARDS

Bureau Veritas; Cert No. 41941 BV
CE
EAC; Cert No. 8546901000
Complies With: IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)



BULLETIN: ERI4

Catalog Number	Typical Application Current Rating (A)	Busbars per Phase	Busbar Width (in.)	Busbar Width (mm)	Busbar Thickness (in.)	Busbar Thickness (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UBS110TN160	3500	1	6.30	160	.39	10	11.81	300	2.76	70	5.07	2.3	1
UBS210TN160	5700	1 - 2	6.30	160	.39	10	18.90	480	4.33	110	7.50	3.4	1
UBS210TN200	5700	1 - 2	7.87	200	.39	10	18.90	480	4.33	110	7.72	3.5	1
UBS310TN160	7400	1 - 3	6.30	160	.39	10	18.90	480	4.33	110	7.50	3.4	1
UBS310TN200	7400	1 - 3	7.87	200	.39	10	18.90	480	4.33	110	7.72	3.5	1

ADJUSTABLE BUSBAR SUPPORT (ABS) SELECTION OPTIONS

OFFERING REAL SIMPLICITY WITH JUST TWO COMPONENTS

1. Aluminum Profiles, 6.56 ft. (2 m)
2. Single kits enabling phase assembly

- Up to 7400 Amps
- Panels: 11.81 to 35.43 (300 to 900 mm)
- Bars: 1.97 to 7.87 (50 to 200 mm)
- Thickness: .20 or .39 (5 or 10 mm)
- Busbars IP 00 / ERIFLEX ERILINK

2

FREEDOM WITH WHICH TO SELECT:

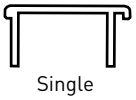
- The desired distance between each phase
- The desired configuration: bipolar, tripolar, tetrapolar

1 Aluminum Profiles Two Different Options:

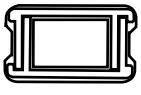
Profile with punched holes 1.00 in. (25 mm) on center

Profile without holes. Holes can be drilled.

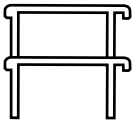
Aluminum Profile Rigidity
How to improve the bending resistance according to your configuration:



Single



Double Version 1



Double Version 2

2 Single Kits Enabling Phase Assembly Five Different Modules

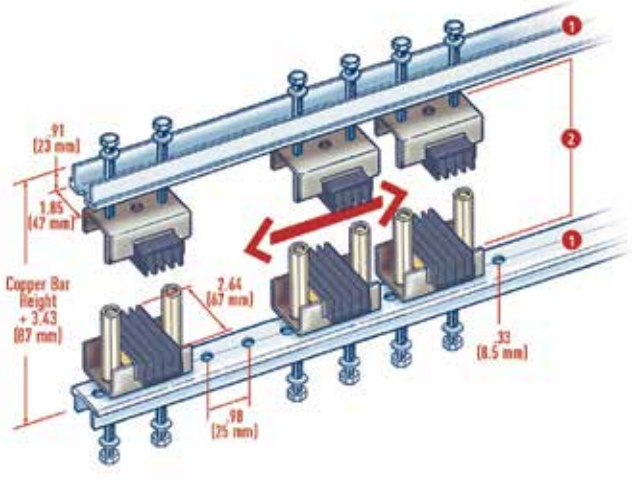
1/5: 1 bar 50-125 x .20 (5 mm) per phase

4/5: 2,3,4 bars 50-125 x 20 (5 mm) per phase

1/10: 1 bar 50-120 x .39 (10 mm) per phase*

2/10: 2 bars 50-120 x .39 (10 mm) per phase*

3/10: 3 bars 50-120 x .39 (10 mm) per phase*



ACCESSORIES

* In addition to the above modules

Kit 160 x 10 (for 16 x 10 copper bar)

Kit 200 x 10 (for 200 x 10 copper bar)

In addition to the above aluminum profiles:

Profile stiffener kit (ABS APS)
Combined profile reinforced

Aluminum profile fixing with panel

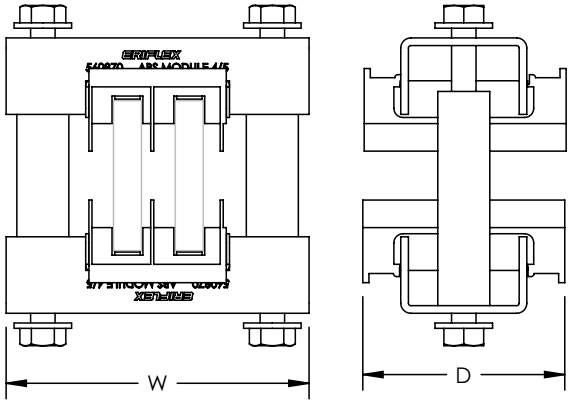
ABS ADJUSTABLE BUSBAR SUPPORT INSULATOR MODULE

FEATURES

- Modules provide flexibility to select distance between phases and supports
- Extremely robust construction
- Halogen free insulators
- RoHS compliant

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Stainless Steel 304 (EN 1.4301); Steel
- Finish: Electrogalvanized
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability rating: UL94V-0



INDUSTRY STANDARDS

CE
EAC; Cert No. 8546901000
Complies With: IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

BULLETIN: ERI4

Catalog Number	Typical Application Current Rating Max. (A)	Busbars per Phase	Busbar Width in./mm	Busbar Thickness in./mm	W in./mm	D in./mm	Unit Weight (lb./kg)	Standard Package Qty.
ABS15MOD	1700	1	1.97 - 4.92 50 - 125	.20 5	2.91 74	2.64 67	1.41 .64	1
ABS110MOD	2250	1	1.97 - 4.92 50 - 125	.39 10	2.91 74	2.64 67	1.41 .64	1
ABS45MOD	3500	1 - 4	1.97 - 4.92 50 - 125	.20 5	3.90 99	2.64 67	1.61 .73	1
ABS210MOD	3600	1 - 2	1.97 - 4.92 50 - 125	.39 10	3.90 99	2.64 67	1.61 .73	1
ABS310MOD	4500	1 - 3	1.97 - 4.92 50 - 125	.39 10	4.88 124	2.64 67	1.79 .81	1

ABS Adjustable Busbar Support High Ampacity Kit available to support up to 7.87 (200 mm) busbar width.

ABS ADJUSTABLE BUSBAR SUPPORT HIGH AMPACITY KIT

INDUSTRY STANDARDS

EAC, Cert No. 8546901000
Complies with IEC61439.1

FEATURES

- Replaces screws included with ABS Adjustable Busbar Support Insulator Module to support larger busbars
- Kit includes two screws
- RoHS compliant

SPECIFICATIONS

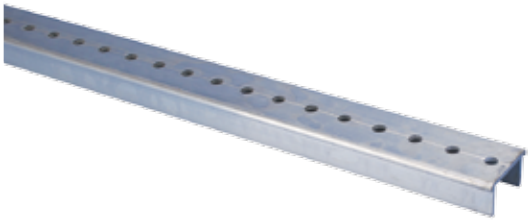
- Material: Stainless Steel 304 (EN 1.4301)

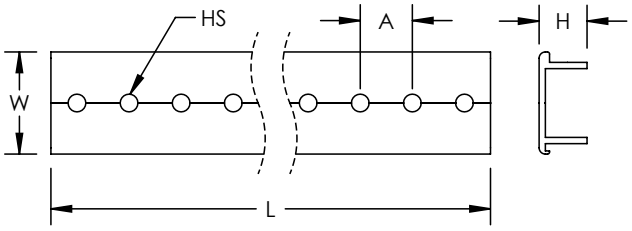
BULLETIN: ERI4

Catalog Number	Busbar Width (in.)	Busbar Width (mm)	Busbar Thickness (in.)	Busbar Thickness (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
ABSKIT160X10	6.30	160	.39	10	.26	.12	1
ABSKIT200X10	7.87	200	.39	10	.35	.16	1

For use with modules that support .39 (10 mm) busbar thickness only.

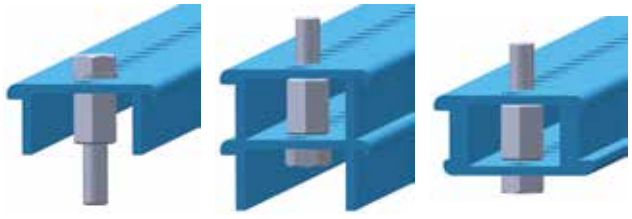
ABS ADJUSTABLE BUSBAR SUPPORT PERFORATED PROFILE





BULLETIN: ERI4

Catalog Number	L ft./m	H in./mm	W in./mm	Ø HS in./mm	A in./mm	Unit Weight (lb./kg)	Standard Package Qty.
ABSAP25	6.56 2	.91 23	1.85 47	.33 8	.98 25	2.98 1.4	2



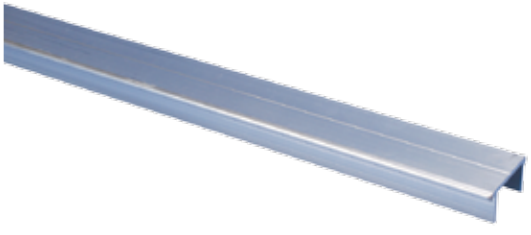
FEATURES

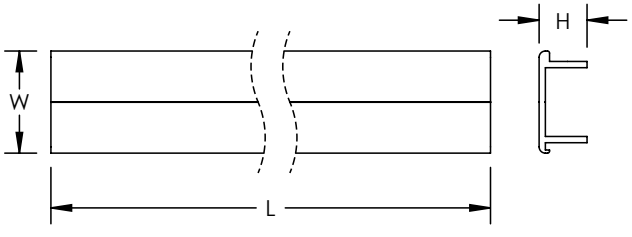
- For use with ABS Adjustable Busbar Support Insulator Modules
- Factory punched holes for quick assembly
- Improve bending resistance by interlocking or stacking two profiles
- Attach profiles together or attach profile to the panel structure using ABS Adjustable Busbar Support Profile Stiffener
- RoHS compliant

SPECIFICATIONS

- Material: Aluminum

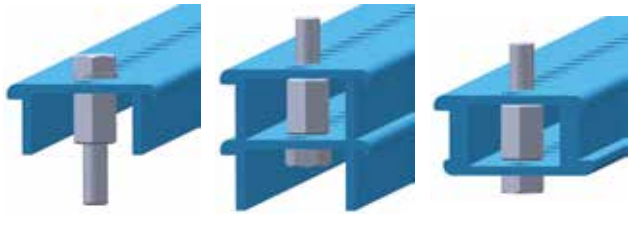
ABS ADJUSTABLE BUSBAR SUPPORT PROFILE





BULLETIN: ERI4

Catalog Number	L ft./m	H in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
ABSAP	6.56 2	.91 23	1.85 47	3.02 1.4	2



FEATURES

- For use with ABS Adjustable Busbar Support Insulator Modules
- Drill holes in field for custom distances between phases
- Improve bending resistance by interlocking or stacking two profiles
- Attach profiles together or attach profile to the panel structure using ABS Adjustable Busbar Support Profile Stiffener
- RoHS compliant

SPECIFICATIONS

- Material: Aluminum

ABS ADJUSTABLE BUSBAR SUPPORT PROFILE STIFFENER

INDUSTRY STANDARDS

EAC, Cert No. 8546901000
Complies with IEC61439.1

FEATURES

- Used to fix two ABS profiles together to improve the rigidity of the profiles
- Can also be used to fix ABS profiles to the panel structure
- Kit includes spacer, screw and washer
- RoHS compliant

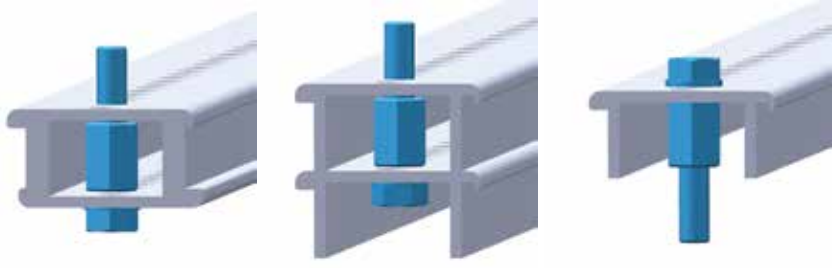
SPECIFICATIONS

- Material: Electrogalvanized

BULLETIN: ERI4

Catalog Number	Thread Size	Unit Weight (lb./kg)	Standard Package Qty.
ABSAPS	M8	.01 .005	1

Kit must be installed under each ABS module by replacing existing short screws included with the module.



ABS ADJUSTABLE BUSBAR SUPPORT ERIFLEX ERILINK ADAPTOR

INDUSTRY STANDARDS

EAC, Cert No. 8546901000
Complies with IEC61439.1

FEATURES

- Attaches ABS profiles to ERIFLEX ERILINK or the panel structure
- Kit includes bracket, two screws, four washers and two nuts
- RoHS compliant

SPECIFICATIONS

- Material: Steel

FINISH

- Electrogalvanized

BULLETIN: ERI4

Catalog Number	Thread Size	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
ABSEA	M8	.37	.17	1

ISO LOW VOLTAGE INSULATORS, IMPERIAL THREAD

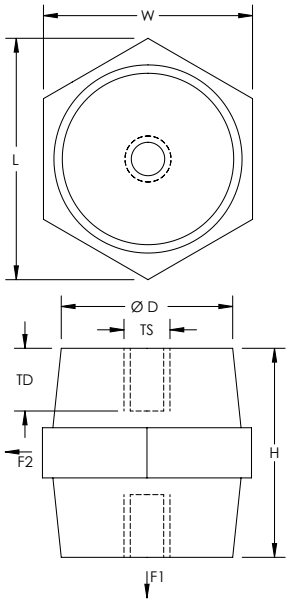
SPECIFICATIONS

- Working range of -40 F to 266 F (-40 to 130 C)
- Material: Glass Fiber Reinforced Polyester, Steel
- Electro-plated zinc inserts are threaded to ASME® standards
- Manufactured from a halogen-free fiberglass-reinforced thermalset unsaturated polyester molded compound (BMC)
- Flammability rating: UL 94V-0

ASME is the trademark of American Society of Mechanical Engineers

FINISH

- Finish: Electrogalvanized



INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

CSA-Comp, C22.2 No. 29; File No. 4641-30

FEATURES

- Great stability of electrical and mechanical parameters
- High resistance to leakage current
- Halogen free
- RoHS compliant

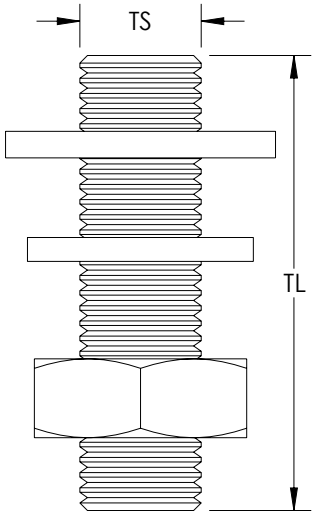
BULLETIN: ERI4

Catalog Number	H in./mm	W in./mm	L in./mm	TS (UNC)	TD in./mm	Ø D in./mm	Insulation Voltage (VAC)	Static Load F1 (lb.)	Static Load F1 (N)	Static Load F2 (lb.)	Static Load F2 (N)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
ISO114	1.00 25	1.13 29	1.31 33	1/4	.31 8	0.82 21	1,500	1,500	6,672	350	1,557	.06	.03	50
ISO1516	1.00 25	1.13 29	1.31 33	5/16	.31 8	0.82 21	1,500	1,500	6,672	350	1,557	.06	.03	50
ISO11414	1.25 32	1.63 41	1.88 48	1/4	.31 8	1.41 36	1,500	2,300	10,231	675	3,003	.12	.05	25
ISO11438	1.25 32	1.63 41	1.88 48	3/8	.38 10	1.41 36	1,500	2,300	10,231	675	3,003	.14	.06	25
ISO13838	1.38 35	1.75 44	2.02 51	3/8	.38 10	1.43 36	1,500	2,300	10,231	1,200	5,338	.21	.10	25
ISO11240	1.50 38	2.00 51	2.31 59	1/4	.50 13	1.68 43	1,500	2,300	10,231	1,200	5,338	.27	.12	25
ISO112516	1.50 38	2.00 51	2.31 59	5/16	.50 13	1.68 43	1,500	2,300	10,231	1,200	5,338	.28	.13	25
ISO11238	1.50 38	2.00 51	2.31 59	3/8	.38 10	1.68 43	1,500	2,300	10,231	1,200	5,338	.35	.16	25
ISO134516	1.75 44	2.00 51	2.31 59	5/16	.50 13	1.66 42	2,000	3,000	13,345	1,200	5,338	.31	.14	25
ISO13438	1.75 44	2.00 51	2.31 59	3/8	.56 14	1.66 42	2,000	3,000	13,345	1,200	5,338	.38	.17	25
ISO251618	2.00 51	2.00 51	2.31 59	5/16	.50 13	1.65 42	2,300	3,000	13,345	1,200	5,338	.35	.16	25
ISO23816	2.00 51	2.00 51	2.31 59	3/8	.56 14	1.65 42	2,300	3,000	13,345	1,200	5,338	.42	.19	25
ISO21213	2.00 51	2.00 51	2.31 59	1/2	.63 16	1.65 42	2,300	3,000	13,345	1,200	5,338	.43	.20	25
ISO21838	2.18 55	2.50 64	2.89 73	3/8	.63 16	2.14 54	2,500	3,000	13,345	1,300	5,783	.63	.29	25

Catalog Number	H in./mm	W in./mm	L in./mm	TS (UNC)	TD in./mm	Ø D in./mm	Insulation Voltage (VAC)	Static Load F1 (lb.)	Static Load F1 (N)	Static Load F2 (lb.)	Static Load F2 (N)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
ISO21812	2.18 55	2.50 64	2.89 73	1/2	.63 16	2.14 54	2,500	3,000	13,345	1,300	5,783	.66	.30	25
ISO21858	2.18 55	2.50 64	2.89 73	5/8	.63 16	2.14 54	2,500	3,000	13,345	1,300	5,783	.75	.34	25
ISO21438	2.25 57	2.50 64	2.89 73	3/8	.63 16	2.13 54	2,700	4,000	17,793	1,400	6,228	.66	.30	25
ISO21412	2.25 57	2.50 64	2.89 73	1/2	.63 16	2.13 54	2,700	4,000	17,793	1,400	6,228	.69	.31	25
ISO21238	2.50 64	2.50 64	2.89 73	3/8	.63 16	2.11 54	3,200	4,000	17,793	1,400	6,228	.71	.32	10
ISO21212	2.50 64	2.50 64	2.89 73	1/2	.63 16	2.11 54	3,200	4,000	17,793	1,400	6,228	.74	.34	10
ISO25858	2.63 67	2.50 64	2.89 73	5/8	.75 19	2.11 54	3,400	4,000	17,793	1,400	6,228	.86	.39	10
ISO23438	2.75 70	2.50 64	2.89 73	3/8	.63 16	2.10 53	3,600	4,000	17,793	1,400	6,228	.77	.35	10
ISO23412	2.75 70	2.50 64	2.89 73	1/2	.63 16	2.10 53	3,600	4,000	17,793	1,400	6,228	.80	.36	10
ISO33816	3.00 76	2.50 64	2.89 73	3/8	.63 16	2.08 53	4,100	4,000	17,793	1,400	6,228	.82	.37	10
ISO31213	3.00 76	2.50 64	2.89 73	1/2	.63 16	2.08 53	4,100	4,000	17,793	1,400	6,228	.85	.38	10
ISO31438	3.25 83	2.50 64	2.89 73	3/8	.63 16	2.06 52	4,500	4,000	17,793	1,400	6,228	.88	.40	10
ISO31412	3.25 83	2.50 64	2.89 73	1/2	.63 16	2.06 52	4,500	4,000	17,793	1,400	6,228	.91	.41	10
ISO31238	3.50 89	2.50 64	2.89 73	3/8	.63 16	2.05 52	5,000	5,000	22,241	1,400	6,228	.95	.43	10
ISO31258	3.50 89	2.50 64	2.89 73	5/8	.75 19	2.05 52	5,000	5,000	22,241	1,400	6,228	1.05	.48	10

Creepage and clearance distances need to be in accordance with the relevant application standard.

ISOBOLT LOW VOLTAGE INSULATOR MOUNTING KIT



FEATURES

- Includes threaded stud, washer, lock washer and nut
- RoHS compliant

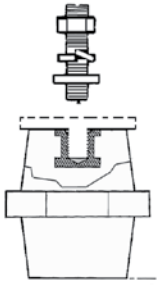
SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized

BULLETIN: ERI2

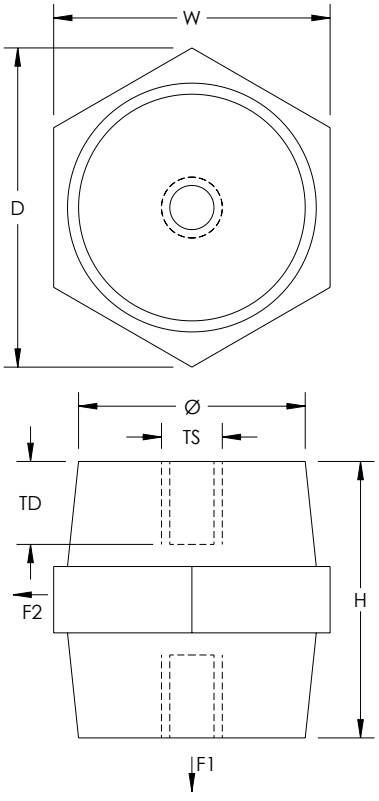


Catalog Number	TS	TL (in.)	TL (mm)	Standard Package Qty.
ISOBOLT25M6	M6	1.00	25	20
ISOBOLT30M8	M8	1.18	30	20

ISO-TP LOW VOLTAGE INSULATORS, METRIC THREAD

FINISH

- Finish: Electrogalvanized



2

INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

CE
CSA-Comp, C22.2 No. 29; File No. 4641-30
Complies with IEC61439.1; IEC60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Halogen free
- High resistance to leakage current
- Great stability of electrical and mechanical parameters
- Fiberglass reinforced
- RoHS compliant

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide, Steel
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Flammability Rating: UL 94V-0
- Dielectric Strength, UL: 1,500 VAC/DC

BULLETIN: ERI4

Catalog Number	H in./mm	W in./mm	D in./mm	TS	TD in./mm	Ø in./mm	Insulation Voltage	Dielectric Strength @1 min., IEC	Static Load F1 (lb./N)	Static Load F2 (lb./N)	Unit Weight (lb./kg)	Standard Package Qty.
ISOTP15M4	.59 15	.55 14	.63 16	M4	.16 4	.47 12	500 VAC, 500 VDC	2,500 VAC	337 1,500	225 1,000	.01 .005	50
ISOTP20M4	.79 20	.67 17	.79 20	M4	.16 4	.59 15	1,000 VAC, 1,500 VDC	1,500 VAC	337 1,500	225 1,000	.02 .009	50
ISOTP20M6	.79 20	.67 17	.79 20	M6	.24 6	.59 15	1,000 VAC, 1,500 VDC	1,500 VAC	337 1,500	225 1,000	.03 .014	50
ISOTP25M5	.98 25	.75 19	.79 20	M5	.24 6	.71 18	1,000 VAC, 1,500 VDC	1,500 VAC	674 3,000	360 1,600	.04 .018	50
ISOTP25M6	.98 25	.75 19	.79 20	M6	.24 6	.71 18	1,000 VAC, 1,500 VDC	1,500 VAC	674 3,000	360 1,600	.04 .018	50
ISOTP30M10	1.18 30	1.18 30	1.34 34	M10	.31 8	1.02 26	1,000 VAC, 1,500 VDC	1,500 VAC	1,349 6,000	674 3,000	.11 .050	25
ISOTP30M6	1.18 30	1.18 30	1.34 34	M6	.31 8	1.02 26	1,000 VAC, 1,500 VDC	1,500 VAC	1,349 6,000	674 3,000	.08 .036	25
ISOTP30M8	1.18 30	1.18 30	1.34 34	M8	.31 8	1.02 26	1,000 VAC, 1,500 VDC	1,500 VAC	1,349 6,000	674 3,000	.10 .045	25
ISOTP35M6L	1.38 35	1.61 41	1.81 46	M6	.31 8	1.34 34	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,124 5,000	.14 .064	25
ISOTP35M8	1.38 35	1.61 41	1.81 46	M8	.31 8	1.34 34	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,798 8,000	.16 .073	25
ISOTP35M10	1.38 35	1.61 41	1.81 46	M10	.39 10	1.34 34	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,798 8,000	.20 .091	25
ISOTP40M6	1.58 40	1.81 46	2.09 53	M6	.35 9	1.58 40	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,798 8,000	.22 .100	25
ISOTP40M8	1.58 40	1.81 46	2.09 53	M8	.31 8	1.58 40	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,798 8,000	.23 .104	25
ISOTP40M10	1.58 40	1.81 46	2.09 53	M10	.39 10	1.58 40	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,012 4,500	.23 .104	25

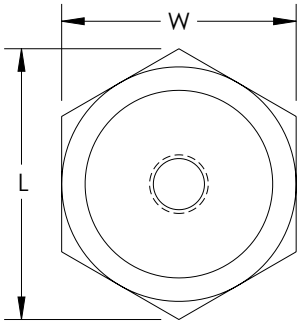
Catalog Number	H in./mm	W in./mm	D in./mm	TS	TD in./mm	Ø in./mm	Insulation Voltage	Dielectric Strength @1 min., IEC	Static Load F1 (lb./N)	Static Load F2 (lb./N)	Unit Weight (lb./kg)	Standard Package Qty.
ISOTP40M12	1.58 40	1.81 46	2.09 53	M12	.57 14	1.58 40	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,012 4,500	.23 .104	25
ISOTP45M6	1.77 45	1.61 41	1.85 47	M6	.35 9	1.34 34	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,461 6,499	.23 .104	25
ISOTP45M8	1.77 45	1.61 41	1.85 47	M8	.59 15	1.34 34	1,000 VAC, 1,500 VDC	1,500 VAC	2,473 11,000	1,461 6,499	.30 .136	25
ISOTP45M8L	1.77 45	1.97 50	2.24 57	M8	.59 15	1.61 41	1,000 VAC, 1,500 VDC	1,500 VAC	4,047 18,000	2,248 10,000	.29 .132	25
ISOTP45M10	1.77 45	1.97 50	2.24 57	M10	.39 10	1.61 41	1,000 VAC, 1,500 VDC	1,500 VAC	4,047 18,000	1,574 7,000	.26 .118	25
ISOTP50M6	1.97 50	1.97 50	2.24 57	M6	.35 9	1.61 41	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	1,574 7,000	.34 .154	25
ISOTP50M8	1.97 50	1.97 50	2.24 57	M8	.59 15	1.61 41	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	2,248 10,000	.33 .150	25
ISOTP50M10	1.97 50	1.97 50	2.24 57	M10	.39 10	1.61 41	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	2,248 10,000	.43 .195	25
ISOTP50M12	1.97 50	1.97 50	2.24 57	M12	.57 14	1.61 41	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	2,248 10,000	.42 .191	25
ISOTP60M8	2.36 60	2.17 55	2.48 63	M8	.59 15	1.73 44	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	2,248 10,000	.42 .191	25
ISOTP60M10	2.36 60	2.17 55	2.48 63	M10	.39 10	1.73 44	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	2,248 10,000	.84 .381	25
ISOTP60M12	2.36 60	2.17 55	2.48 63	M12	.57 14	1.73 44	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	2,248 10,000	.79 .358	25
ISOTP60M16	2.36 60	2.17 55	2.48 63	M16	.79 20	1.73 44	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	2,248 10,000	.77 .349	25
ISOTP70M10	2.76 70	2.56 65	2.95 75	M10	.39 10	2.05 52	1,000 VAC, 1,500 VDC	1,500 VAC	4,496 20,000	2,248 10,000	1.06 .481	10
ISOTP70M12	2.76 70	2.56 65	2.95 75	M12	.55 14	2.05 52	1,000 VAC, 1,500 VDC	1,500 VAC	5,620 25,000	3,597 16,000	1.04 .472	10
ISOTP70M16	2.76 70	2.56 65	2.95 75	M16	.79 20	2.05 52	1,000 VAC, 1,500 VDC	1,500 VAC	5,620 25,000	3,597 16,000	.83 .376	10
ISOTP75M10	2.95 75	2.56 65	2.95 75	M10	.39 10	2.01 51	1,000 VAC, 1,500 VDC	1,500 VAC	4,946 22,000	2,248 10,000	1.17 .531	10
ISOTP75M12	2.95 75	2.56 65	2.95 75	M12	.55 14	2.01 51	1,000 VAC, 1,500 VDC	1,500 VAC	6,744 30,000	3,597 16,000	1.04 .472	10
ISOTP75M16	2.95 75	2.56 65	2.95 75	M16	.79 20	2.01 51	1,000 VAC, 1,500 VDC	1,500 VAC	6,744 30,000	3,597 16,000	.84 .381	10
ISOTP80M12	3.15 80	2.56 65	2.95 75	M12	.55 14	2.05 52	1,000 VAC, 1,500 VDC	1,500 VAC	6,744 30,000	3,597 16,000	1.12 .508	10
ISOTP80M16	3.15 80	2.56 65	2.95 75	M16	.79 20	2.05 52	1,000 VAC, 1,500 VDC	1,500 VAC	6,744 30,000	3,597 16,000	.89 .404	10
ISOTP100M12	3.94 100	2.56 65	2.95 75	M12	.55 14	1.81 46	1,000 VAC, 1,500 VDC	1,500 VAC	6,744 30,000	2,248 10,000	1.05 .476	10
ISOTP100M16	3.94 100	2.56 65	2.95 75	M16	.79 20	1.81 46	1,000 VAC, 1,500 VDC	1,500 VAC	6,744 30,000	3,372 15,000	1.12 .508	10

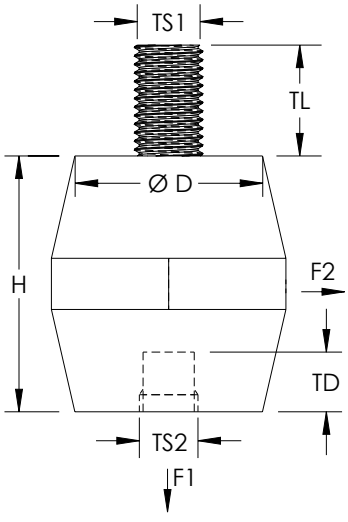
Creepage and clearance distances need to be in accordance with the relevant application standard.

ISO-TP LOW VOLTAGE MALE/FEMALE INSULATORS

FINISH

- Finish: Electrogalvanized





INDUSTRY STANDARDS

UL 67 and UL 891 Component Recognized; File No. E125470
cUL Component Recognized per CSA C22.2 No. 29 and C22.2 No. 244; File No. E125470

CSA-Comp, C22.2 No. 29; File No. 4641-30
Complies with IEC60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Halogen free
- High resistance to leakage current
- Great stability of electrical and mechanical parameters
- Fiberglass reinforced
- RoHS compliant

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide, Steel
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Insulation Voltage: 1,000 VAC, 1,500 VDC
- Flammability Rating: UL 94V-0

BULLETIN: ERI4

Catalog Number	H in./mm	W in./mm	L in./mm	Ø D in./mm	TS1	TL in./mm	TS2	TD in./mm	Static Load F1 (lb./N)	Static Load F2 (lb./N)	Unit Weight (lb./kg)	Standard Package Qty.
ISOTP30F8M8	1.18 30	1.18 30	1.34 34	1.02 26	M8	.67 17	M8	.31 8	1,349 6,000	674 3,000	.11 .05	25
ISOTP40F8M8	1.58 40	1.81 46	2.09 53	1.58 40	M8	.67 17	M8	.31 8	2,473 11,000	1,461 6,500	.24 .11	25
ISOTP50F8M8	1.97 50	1.97 50	2.24 57	1.61 41	M8	.67 17	M8	.59 15	4,496 20,000	2,248 10,000	.33 .15	25
ISOTP60F8M8	2.36 35	2.17 55	2.48 63	1.73 44	M8	.67 17	M8	.59 15	4,946 22,000	2,248 10,000	.42 .19	25
ISOTP80F8M8	3.15 80	2.56 65	2.95 75	2.05 52	M8	.67 17	M8	.59 15	4,946 22,000	2,248 10,000	.77 .35	10
ISOTP100F12M12	3.94 100	2.56 65	2.95 75	1.81 46	M12	.79 20	M12	.79 20	6,744 30,000	2,248 10,000	1.12 .51	10

PDBS POLYAMIDE BRAIDED SLEEVE

FEATURES

- Expandable cabling sleeves for many applications
- Flexible bundling and mechanical protection of electrical cables and wires
- Packed in easy dispense boxes
- Halogen free
- RoHS compliant

SPECIFICATIONS

- Working Temperature: -40 to 248 F (-40 to 120 C)
- Density: 0.07 lb/ft^3 (1.14 kg/m^3)
- Flammability Rating: UL 94V-2
- Material: Polyamide

BULLETIN: ERI1

Color: Black

Catalog Number	Diameter (in.)	Diameter (mm)	Length (ft.)	Length (m)	Unit Weight (lb.)	Unit Weight (kg)
PDBS5B	.20	5	328	100	.02	.009
PDBS8B	.31	8	328	100	.03	.014
PDBS10B	.39	10	328	100	.03	.014
PDBS12B	.47	12	164	50	.04	.018
PDBS16B	.63	16	164	50	.05	.022
PDBS20B	.79	20	164	50	.06	.027
PDBS30B	1.18	30	164	50	.06	.027
PDBS40B	1.57	40	164	50	.08	.036
PDBS50B	1.97	50	164	50	.11	.050
PDBS70B	2.76	70	164	50	.12	.054

Color: Gray

Catalog Number	Diameter (in.)	Diameter (mm)	Length (ft.)	Length (m)	Unit Weight (lb.)	Unit Weight (kg)
PDBS5G	.20	5	328	100	.02	.009
PDBS8G	.31	8	328	100	.03	.014
PDBS10G	.39	10	328	100	.03	.014
PDBS12G	.47	12	164	50	.04	.018
PDBS16G	.63	16	164	50	.05	.022
PDBS20G	.79	20	164	50	.06	.027
PDBS30G	1.18	30	164	50	.06	.027
PDBS40G	1.57	40	164	50	.08	.036
PDBS50G	1.97	50	164	50	.11	.050
PDBS70G	2.76	70	164	50	.12	.054

Coverage Efficiency

Catalog Numbers	Diameter Nominal (in.)	Diameter Nominal (mm)	Diameter Coverage (%)	Diameter Minimun (in.)	Diameter Minimun (mm)	Diameter Coverage (%)	Diameter Maximum (in.)	Diameter Maximum (mm)	Diameter Coverage (%)
PDBS5x	.20	5	97	.16	4	100	.31	8	90
PDBS8x	.31	8	94	.24	6	100	.39	10	91
PDBS10x	.39	10	95	.31	8	100	.55	14	94
PDBS12x	.47	12	96	.39	10	100	.63	16	94
PDBS16x	.63	16	96	.55	14	100	.71	18	98
PDBS20x	.79	20	95	.63	16	100	.98	25	99
PDBS30x	1.18	30	90	.79	20	100	1.38	35	92
PDBS40x	1.57	40	90	1.18	30	100	1.77	45	94
PDBS50x	1.97	50	95	1.57	40	100	2.56	65	100
PDBS70x	2.76	70	94	2.36	60	100	3.15	80	99

Unit weight is per meter (3.28 ft.).

ERIFLEX SPIRFLEX SPIRAL SLEEVE

FEATURES

- Expandable cabling sleeves for many applications
- Spiral structure allow cables to branch out at any point
- Flexible bundling and mechanical protection of electrical cables and wires
- Packed in easy dispense boxes
- Halogen free
- RoHS compliant

SPECIFICATIONS

- Working Temperature: -58 to 185 F (-50 to 85 C)
- Flammability Rating: UL 94V-0
- Material: Polyethylene

BULLETIN: ERI1

Color: Black

Catalog Number	Diameter (in.)	Diameter (mm)	Length (ft.)	Length (m)	Unit Weight (lb.)	Unit Weight (kg)
SPIRFLEXI6	.24	6	164	50	.026	.012
SPIRFLEXI12	.47	12	82	25	.075	.034
SPIRFLEXI16	.63	16	82	25	.101	.046
SPIRFLEXI22	.87	22	82	25	.132	.060

Color: Gray

Catalog Number	Diameter (in.)	Diameter (mm)	Length (ft.)	Length (m)	Unit Weight (lb.)	Unit Weight (kg)
SPIRFLEXX6	.24	6	164	50	.026	.012
SPIRFLEXX12	.47	12	82	25	.075	.034

Unit weight is per meter (3.28 ft.).

ERIFLEX ZIPFLEX SLEEVE

FEATURES

- Quick and easy screening
- Installation tool included
- Halogen free
- RoHS compliant

SPECIFICATIONS

- Working Temperature: -22 to 284 F (-30 to 140 C)
- Flammability Rating: UL 94HB
- Material: Polypropylene

FINISH

Color: Black

BULLETIN: ERI1

Catalog Number	Diameter in./mm	Length ft./m	Unit Weight (lb./kg)
ZFX100M8MMBK	.31	328.00	.033
	8	100	.015
ZFX50M15MMBK	.59	164.00	.097
	15	50	.044
ZFX30M20MMBK	.79	98.40	.154
	20	30	.070
ZFX20M25MMBK	.98	65.60	.220
	25	20	.100

Unit weight is per meter (3.28 ft.)

FGBS FIBERGLASS BRAIDED SLEEVE

FEATURES

- Fiberglass impregnated with high temperature varnish
- Resistant to high temperature
- Thermal insulation and mechanical protection
- Halogen free
- RoHS compliant

SPECIFICATIONS

- Working Temperature: -94 to 752 F (-70 to 400 C)
- Flammability Rating: UL 1441 VW-1
- Material: Fiberglass

BULLETIN: ERI1

Catalog Number	Diameter Max. / Nom. in./mm	Length ft./m	Unit Weight (lb./kg)
FGBS4	.47 / .16 12 / 4	328 100	.022 .010
FGBS8	.94 / .31 24 / 8	328 100	.031 .014
FGBS10	1.18 / .39 30 / 10	328 100	.035 .016
FGBS12	1.42 / .47 36 / 12	328 100	.040 .018
FGBS15	1.77 / .59 45 / 15	164 50	.066 .030
FGBS20	2.36 / .79 60 / 20	164 50	.097 .044

Unit weight is per meter (3.28 ft.).

SBS ISOLATING SILICONE SLEEVE

SPECIFICATIONS

- Insulation Voltage: 2.5 kV
- Max Working Voltage, IEC (Ui): 690 VAC/DC
- Max Working Voltage, UL (Vin): 690 VAC/DC
- Working Temperature: -76 to 428 F (-60 to 220 C)
- Flammability Rating: UL 1441 VW-1
- Material: Fiberglass, Silicone

BULLETIN: ERI1

Catalog Number	Diameter in./mm	Length ft./m	Unit Weight (lb./kg)
SBS4	.16 4	328 100	.044 .020
SBS6	.24 6	328 100	.084 .038
SBS8	.31 8	328 100	.110 .050
SBS10	.39 10	328 100	.119 .053
SBS12	.47 12	328 100	.154 .070
SBS15	.59 15	82 25	.245 .111
SBS20	.79 20	82 25	.326 .148
SBS25	.98 25	98.4 30	.408 .185
SBS30	1.18 30	98.4 30	.489 .222

Unit weight is per meter (3.28 ft.).

INDUSTRY STANDARDS

UL 1441 Component Recognized; File No.E322841

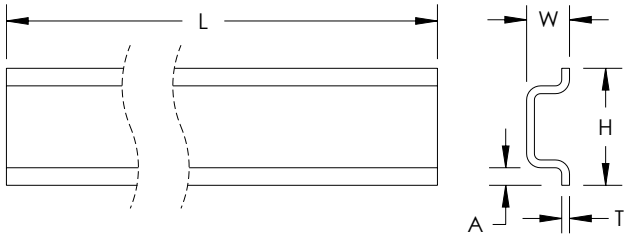
FEATURES

- Resistant to high temperature
- Cost effective sleeve for insulation
- High flexibility
- Halogen free

DR SYMMETRIC PROFILE

SPECIFICATIONS
- Material: Steel

FINISH
- Finish: Electrogalvanized

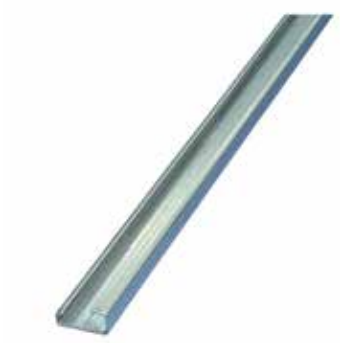


FEATURES
- Rapid assembly of all kinds of frameworks
- High mechanical resistance
- High corrosion resistance
- Conforms to EN 60715 and 50022 and DIN 46277
- RoHS compliant

BULLETIN: ERI4

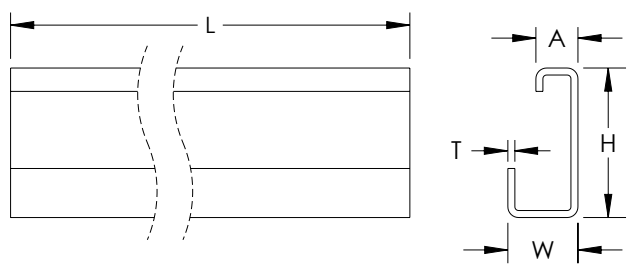
Catalog Number	H in./mm	W in./mm	L ft./m	T in./mm	A in./mm	Unit Weight (lb./kg)	Standard Package Qty.
DR15X2M	1.38 35	.60 15	6.60 2	.06 2	.16 4	2.87 1.30	15
DR55X2M	.59 15	.22 6	6.60 2	.04 1	.09 2	.73 .33	15
DR7X2M	1.38 35	.30 8	6.60 2	.04 1	.16 4	1.46 .66	15

DRG ASYMMETRIC PROFILE



SPECIFICATIONS
- Material: Steel

FINISH
- Finish: Electrogalvanized



FEATURES
- Rapid assembly of all kinds of frameworks
- High mechanical resistance
- High corrosion resistance
- Conforms to EN 60715 and 50035 and DIN 46277
- RoHS compliant

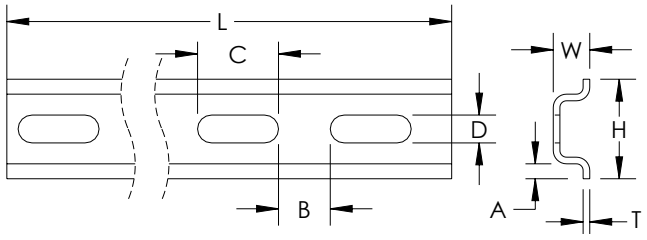
BULLETIN: ERI4

Catalog Number	H in./mm	W in./mm	L ft./m	T in./mm	A in./mm	Unit Weight (lb./kg)	Standard Package Qty.
DRG2M	1.26 32	.60 15	6.60 2	.06 2	.35 9	3.10 1.41	15

PDR PERFORATED SYMMETRIC PROFILE

SPECIFICATIONS
- Material: Steel

FINISH
- Finish: Electrogalvanized



FEATURES
- Rapid assembly of all kinds of frameworks
- High mechanical resistance
- High corrosion resistance
- RoHS compliant
- Conforms to EN 60715 and 50022 and DIN 46277

BULLETIN: ERI4

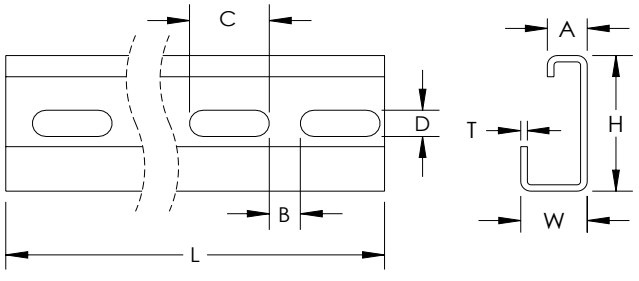
2

Catalog Number	H in./mm	W in./mm	L ft./m	T in./mm	A in./mm	B in./mm	C in./mm	D in./mm	Unit Weight (lb./kg)	Standard Package Qty.
PDR152M	1.38	.60	6.60	.06	.16	.28	.70	.24	2.65	15
	35	15	2	1.5	4	7	18	6	1.20	
PDR152M52	1.38	.60	6.60	.06	.16	.43	.98	.20	2.65	15
	35	15	2	1.5	4	11	25	5	1.20	
PDR52M	.59	.22	6.60	.04	.09	.30	.48	.17	.62	15
	15	6	2	1.0	2	8	12	4	.28	
PDR72M	1.38	.60	6.60	.04	.16	.28	.70	.24	1.37	15
	35	15	2	1.0	4	7	18	6	.62	
PDR72M52	1.38	.60	6.60	.04	.16	.43	.98	.20	1.37	15
	35	15	2	1.0	4	11	25	5	.62	

PDRG PERFORATED ASYMMETRIC PROFILE

SPECIFICATIONS
- Material: Steel

FINISH
- Finish: Electrogalvanized

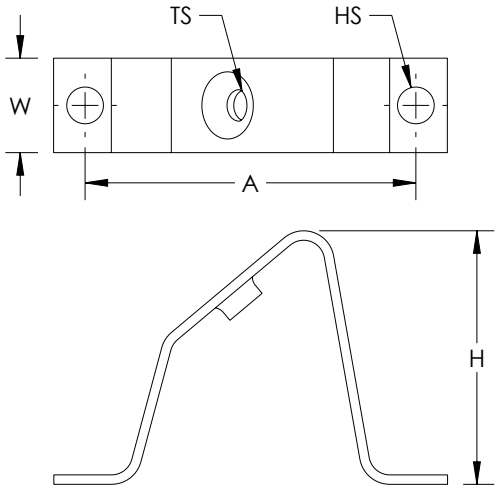


FEATURES
- Rapid assembly of all kinds of frameworks
- High mechanical resistance
- High corrosion resistance
- Conforms to EN 60715 and 50035 and DIN 46277
- RoHS compliant

BULLETIN: ERI4

Catalog Number	H in./mm	W in./mm	L ft./m	T in./mm	A in./mm	B in./mm	C in./mm	D in./mm	Unit Weight (lb./kg)	Standard Package Qty.
PDRG2M	1.26	.60	6.60	.06	.35	.28	.70	.24	2.90	15
	32	1.5	2	1.5	9	7	18	6	1.32	

IRS ANGLE SUPPORT BRACKET



FEATURES

- Use to fix DIN profiles or earth bars in an inclined position
- RoHS compliant

SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized

BULLETIN: ERI4

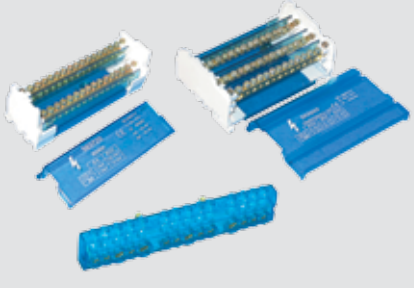
Catalog Number	TS	Ø HS in./mm	W in./mm	H in./mm	A in./mm	Unit Weight (lb./kg)	Standard Package Qty.
IRS5	M5	.25	.71	1.89	2.36	.08	50
		6	18	48	60	.04	
IRS6	M6	.25	.71	1.89	2.36	.08	50
		6	18	48	60	.04	

Notes

PENTAIR

Hoffman

CHAPTER 3
BLOCKS AND TERMINALS



SINGLE-POLE DISTRIBUTION BLOCKS

- Visual inspection of wire and confirmation of connection
- IP 20 finger safe
- 95% fill ratio
- Tinned copper blocks: Copper or Aluminum Cable

TWO- AND FOUR-POLE DISTRIBUTION BLOCKS

- Minimum space for maximum power
- Easy connections
- Protection: Transparent cover and screen
- Safe connections
- Rail or screw mounting

CHAPTER CONTENTS

SINGLE-POLE DISTRIBUTION BLOCKS

Blocks and Terminals Product Overview 122
UD-80A Single Pole Distribution Block 125
UDJ-125A Single Pole Distribution Block 126
UDJ-160A Single Pole Distribution Block 127
UDJ Jumper Used on UDJ125A and UDJ160A 128
UD-250A Single Pole Distribution Block 129
UD-400A Single Pole Distribution Block 130
Flat Terminal Connection for UD250A and UD600A 131
UDF-250A Single Pole Distribution Block 132
UDF-500A Single Pole Distribution Block 133
UD-400A-212AL Single Pole Distribution Block 134
UD-400A-112AL Single Pole Distribution Block 135
UD-400A-212CU Single Pole Distribution Block 136
UD-400A-112CU Single Pole Distribution Block 137
UD-400J Jumper for Single Pole Distribution Block . . . 138

TWO- AND FOUR-POLE DISTRIBUTION BLOCKS

Two- and Four-Pole Distribution Blocks 139
BD Two Pole Distribution Block, 40 A 140
BD Two Pole Distribution Block, 80/100 A. 141
BD Two Pole Distribution Block, 100/125 A. 142
TD Compact Four Pole Distribution Block, 40 A 143
TD Compact Four Pole Distribution Block, 80/100 A . . . 144
TD Compact Four Pole Distribution Block, 100/125 A . . 145
TD Compact Four Pole Distribution Block, 160 A. 146
Neutral Bar for TD Distribution Blocks 147

COMPACT FOUR-POLE DISTRIBUTION BLOCKS

Four-Pole Distribution Blocks - TDL 148
TDL Compact Four-Pole Distribution Blocks, 400 A . . . 149

POWER BLOCKS

Power Blocks - SB Series 150
Cable to Cable Power Block 151
Cable to ERIFLEX FLEXIBAR/Insulated Power Braid Power Block 153
Cable to Two Cables Power Block 155
Two Cables to ERIFLEX FLEXIBAR/Insulated Power Braid Power Block 156

POWER TERMINALS

Power Terminals 158
SBLL250 Lug-to-Lug Power Terminal 160
SBLL500 Lug-to-Lug Power Terminal 161
SBLL800 Lug-to-Lug Power Terminal 162
SBLT250 Lug-to-Terminal Power Terminal 163
SBLT350 Lug-to-Tunnel Power Terminal 164
SBLT500 Lug-to-Tunnel Power Terminal 165
SBLT800 Lug-to-Tunnel Power Terminal 166
SBTT250 Tunnel-to-Tunnel Power Terminal. 167
SBTT350 Tunnel-to-Tunnel Power Terminal. 168
SBTT500 Tunnel-to-Tunnel Power Terminal. 169
SBTT800 Tunnel-to-Tunnel Power Terminal. 170
SBLEC Power Terminals Fixing Accessory. 171

FOUR-POLE DISTRIBUTION BLOCKS

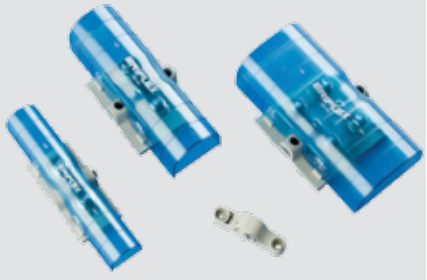
TR Four Pole Distribution Block, 125 A 172
TR Four Pole Distribution Block, 250 A 173
TRS Four Pole Distribution Block, 160 A 174
TRC Four Pole Distribution Block, 400 A 175
TRC Four Pole Distribution Block, 630 A 176
BS-125A Four Pole Insulating Support 177
BS-250A Four Pole Insulating Support 178
BS-400A Four Pole Insulating Support 179
BSC-125A Four Pole Insulating Support 180

PEN SYSTEM

Disconnectable Pen System 181

SPACERS AND ACCESSORIES

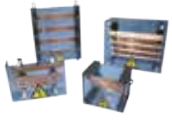
DMH Metallic Spacers 182
DH Distance Holder and Spacer 183
CAPN Cap Nut 184
CAPB Cap Nut With Threaded Stud 185



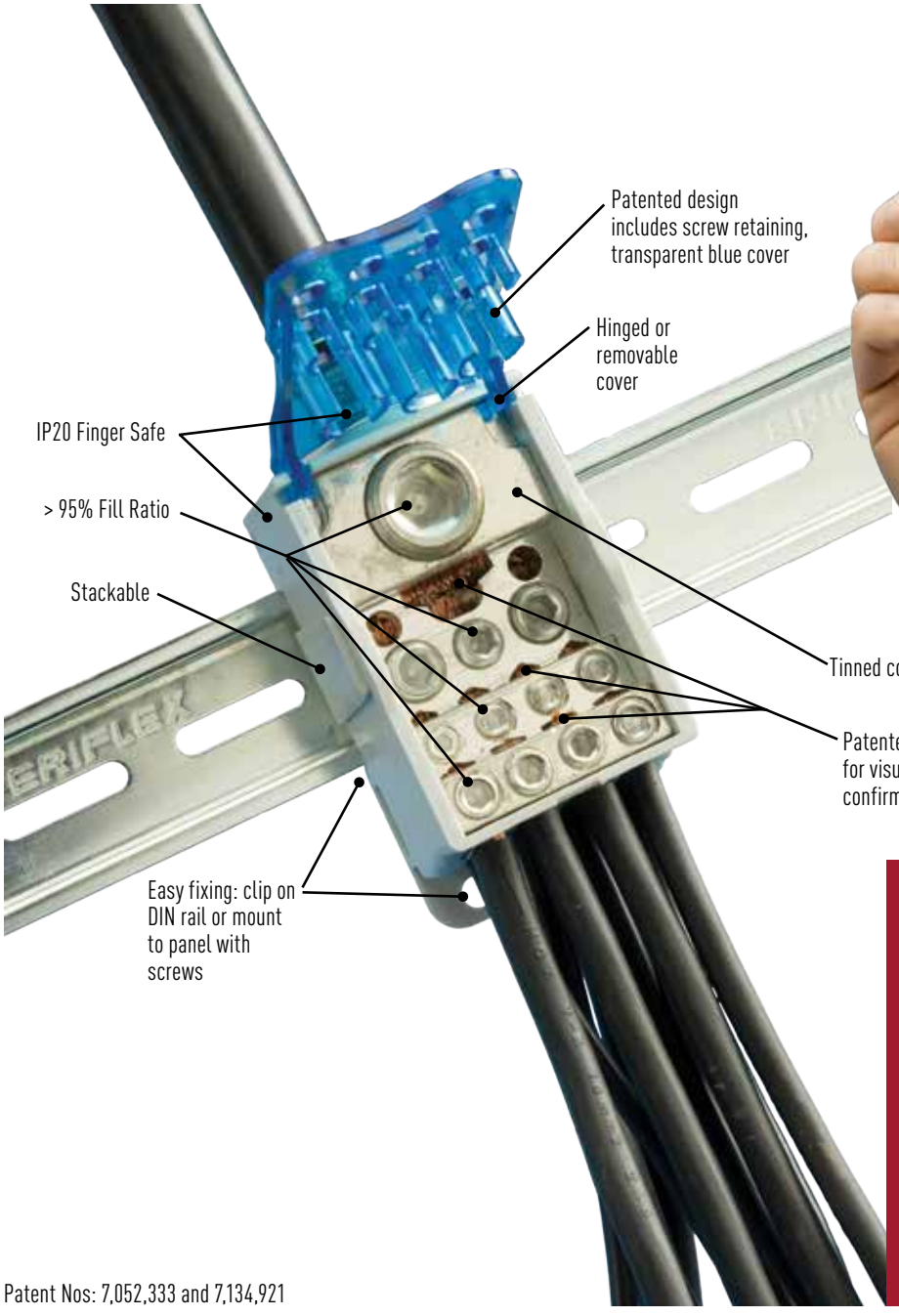
POWER TERMINALS

- Tinned Copper Bar
- Visual inspection of wire and confirmation of connection
- Quick connection with studs
- Easy connection on ERIFLEX FLEXIBAR
- Adjustable transparent cover

BLOCKS AND TERMINALS PRODUCT OVERVIEW

	SINGLE-POLE DISTRIBUTION BLOCKS
	POWER SOLAR BLOCKS
	TWO- AND FOUR-POLE DISTRIBUTION BLOCKS
	POWER BLOCKS AND TERMINALS
	POWER TERMINALS
	FOUR-POLE DISTRIBUTION BLOCKS AND INSULATING SUPPORTS
	DISCONNECTABLE PEN SYSTEM
	SPACERS AND ACCESSORIES

SINGLE-POLE DISTRIBUTION BLOCKS

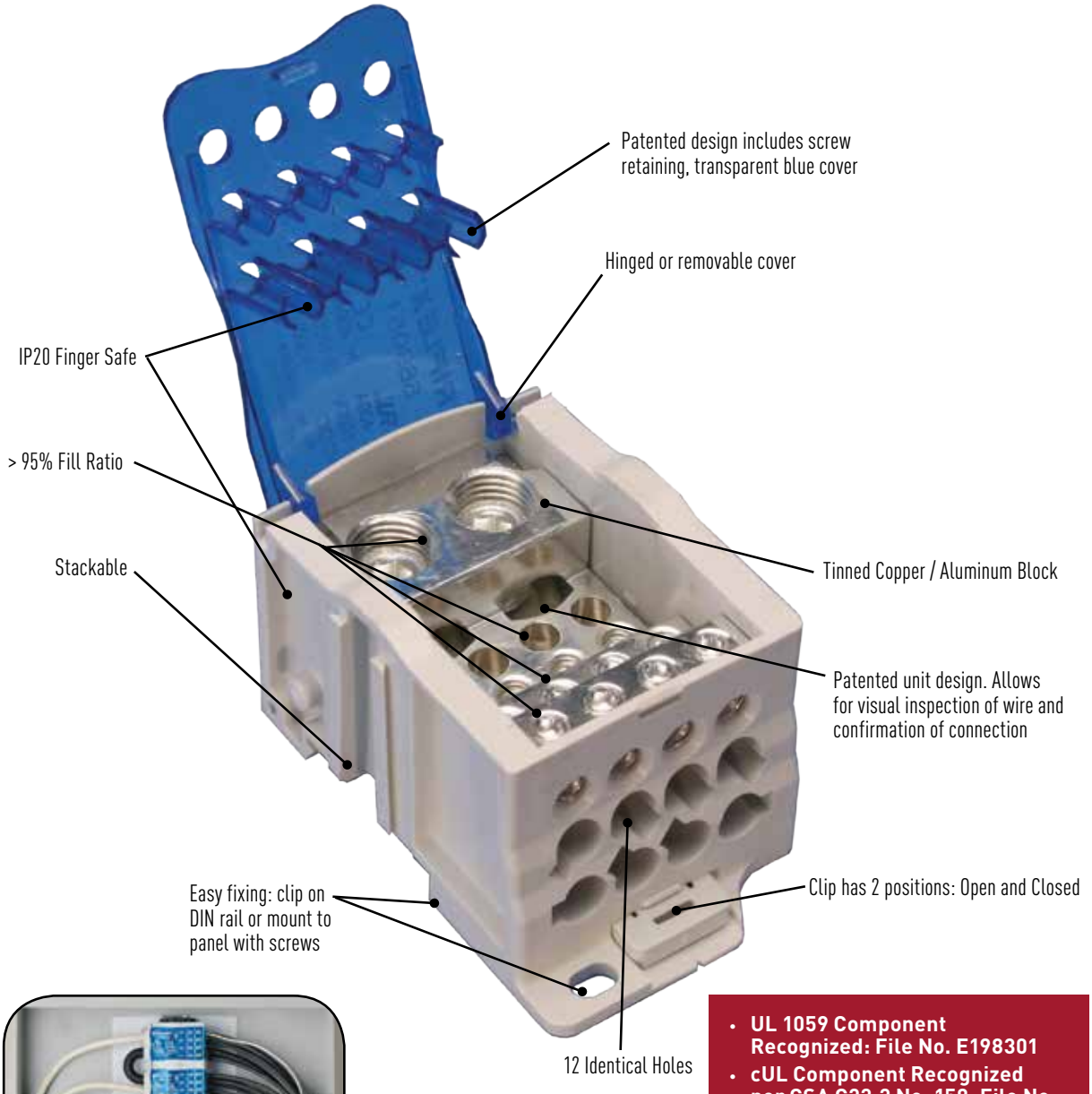


Compact

- **UL 1059 Component Recognized: File No. E198301**
- **cUL Component Recognized per CSA C22.2 No. 158; File No. E198301**
- **Tested and certified according to IEC 60947-7-1**
- **CSA C22.2 No. 158 Certificate No. 70044370**
- **SCCR Rating if fused per UL file E198391: 100kA**
- **Ui = 1000V AC/DC IEC 600V UL**
- **Halogen free**
- **Flammability Rating: UL 94V-0**

Patent Nos: 7,052,333 and 7,134,921

UL Recognized for 1000 Volt AC/DC and IEC certified for 1000 Volt AC and 1500 Volt DC
Ideal for Solar Applications



- **UL 1059 Component Recognized: File No. E198301**
- **cUL Component Recognized per CSA C22.2 No. 158; File No. E198301**
- **CSA C22.2 No. 158 Certificate No. 70044370**
- **Tested and certified according to IEC 60947-7-1**
- **cURus recognized for 1000V. Ideal for solar applications**
- **Halogen free**
- **Flammability rating: UL94V-0**
- **Can be used in parallel with UD400212XX using jumper**
- **Available in tinned Copper or tinned Aluminum**

Patent Nos: 7,052,333 and 7,134,921

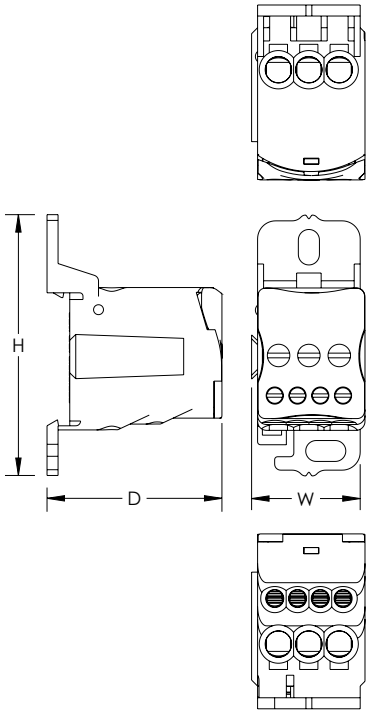
UD-80A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Increase the number of outputs with one input using a jumper wire
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (mm)	Standard Package Qty.
UD80A	1.82	46	2.72	69	1.18	30	.15	.07	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) !s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working IEC (Ui)	Max Working Voltage, UL (Vin)
80 A	85 A	3 kA	22 kA	100 kA	1,000 VAC/DC	600 V

Line and Load Connections and Wire Size

Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Size Stranded Wire Size - Ferrule	Load Size Wire Size
1	6 – 16 mm^2	#16 – #4	6	(2) 2,5 - 16 mm^2 (4) 2,5 - 6 mm^2	(2) 2,5 - 16 mm^2 (4) 2,5 - 6 mm^2	(2) #16 - #4 (4) #16 - #8

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

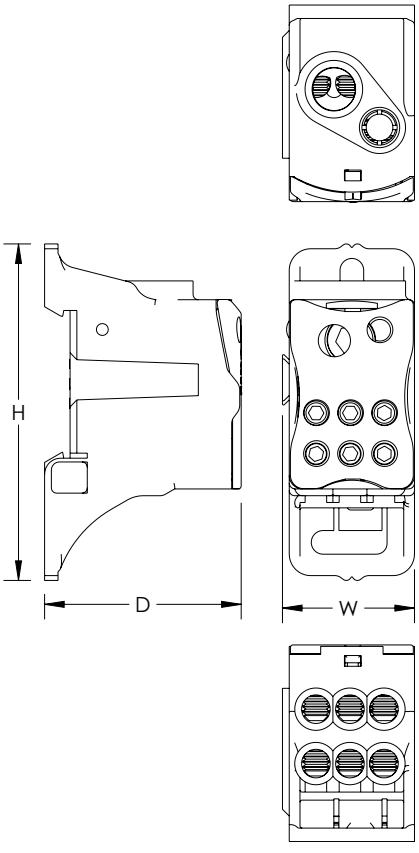
UDJ-125A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCRRating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Increase the number of outputs with one input using a jumper wire
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UDJ125A	1.82	46	3.04	77	1.16	29	.33	.15	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
125 A	150 A	4.2 kA	30 kA	100 kA	1,000 VAC/DC	600 V

Line and Load Connections and Wire Size

Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Size Stranded Wire Size - Ferrule	Load Size Wire Size
1	10 – 35 mm^2	#8 – 1/0	7	(1) 6 – 16 mm^2 (6) 2,5 - 16 mm^2	(1) 6 – 16 mm^2 (6) 2,5 - 16 mm^2	(1) #14 - #2 Stranded; #14 - #10 Solid (6) #10 - #4

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

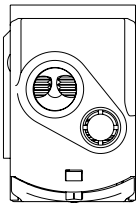
UDJ-160A SINGLE POLE DISTRIBUTION BLOCK

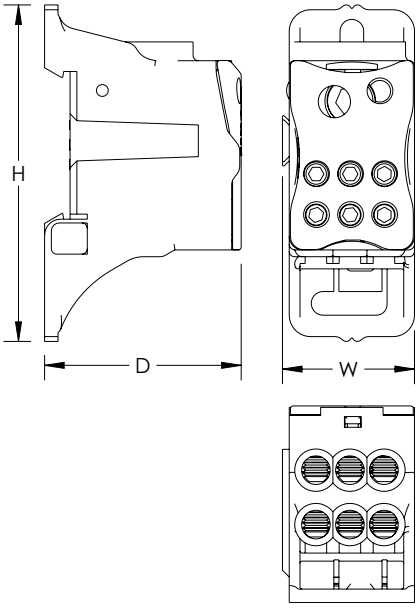
SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned





INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Increase the number of outputs with one input using a jumper wire
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UDJ160A	1.82	46	3.04	77	1.16	29	0.33	.15	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
160 A	200 A	11.8 kA	30 kA	100 kA	1,000 VAC/DC	600 V

Line and Load Connections and Wire Size

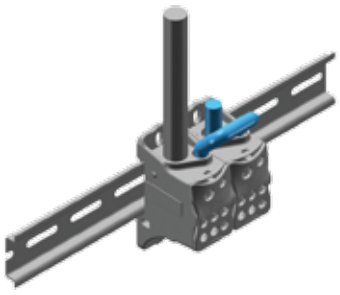
Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
1	10 – 70 mm^2	#8 – 3/0	7	(1) 6 – 16 mm^2 (6) 2,5 - 16 mm^2	(1) 6 – 16 mm^2 (6) 2,5 - 16 mm^2	(1) #14 - #2 Stranded; #14 - #10 Solid (6) #10 - #4

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

UDJ JUMPER USED ON UDJ125A AND UDJ160A



INDUSTRY STANDARDS

CE
EAC; File No. 0234267

FEATURES

- Increase the number of outputs with one input using a jumper
- Easily double the neutral
- RoHS compliant

BULLETIN: ERI2

Catalog Number	Use on UDJ Items
UDJUMPER	UDJ125A and UDJ160A

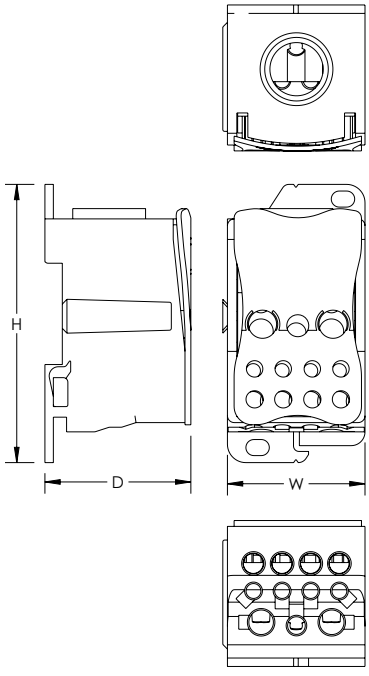
UD-250A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Connects ERIFLEX FLEXIBAR on line side using FLG-250 Flat Terminal Connection
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UD250A	1.99	51	3.79	96	1.93	49	.93	.42	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating SCCR	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
250 A	255 A	24.5 kA	51 kA	100 kA	1,000 VAC/DC	600 V

Line and Load Connections and Wire Size

Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
1	35 – 120 mm^2	#6 – 250 kcmil	11	(2) 6 – 35 mm^2 (4) 2,5 - 10 mm^2 (5) 2,5 - 16 mm^2	(2) 6 – 35 mm^2 (4) 2,5 - 10 mm^2 (5) 2,5 - 16 mm^2	(2) #8 - #1 (4) #8 - #6 (5) #8 - #4

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

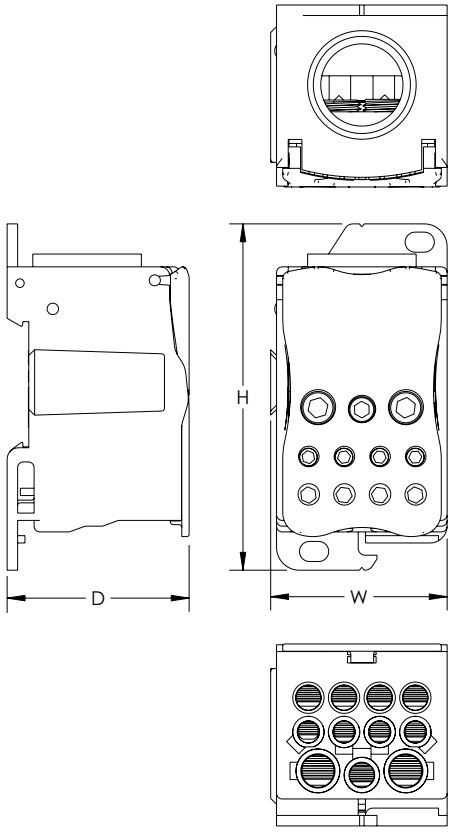
UD-400A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Connects ERIFLEX FLEXIBAR on line side using FLG-400 Flat Terminal Connection
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UD400A	1.99	51	3.79	96	1.93	49	.88	.40	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
400 A	335 A	24.5 kA	51 kA	100 kA	1,000 VAC/DC	600 V

Line and Load Connections and Wire Size

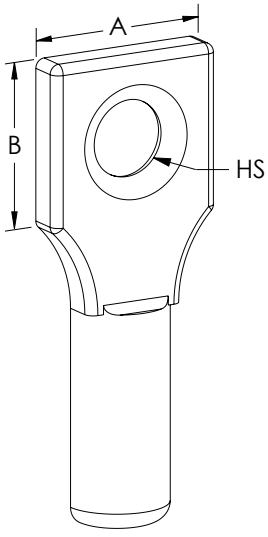
Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
1	95 – 185 mm^2	3/0 – 400 kcmil	11	(2) 6 – 35 mm^2 (4) 2,5 - 10 mm^2 (5) 2,5 - 16 mm^2	(2) 6 – 35 mm^2 (4) 2,5 - 10 mm^2 (5) 2,5 - 16 mm^2	(2) #8 - #1 (5) #8 - #4 (4) #8 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

FLAT TERMINAL CONNECTION FOR UD250A AND UD600A



INDUSTRY STANDARDS

EAC; File No. 0234267

FEATURES

- Connects ERIFLEX FLEXIBAR or IBSB/IBSBR Power Braid to UD-250A/400A Single Pole Distribution Block
- Provides direct link between blocks and switch or circuit breakers
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

Unit Dimensions

Catalog Number	Ø HS (in.)	Ø HS (mm)	A (in.)	A (mm)	B (in.)	B (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
FLG250	.42	11	.97	25	1.37	35	.11	.05	10
FLG400	.42	11	1.18	30	1.57	40	.22	.10	10

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

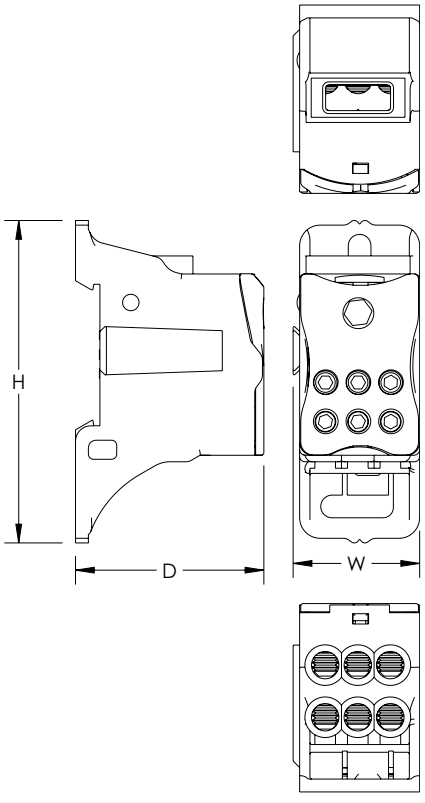
UDF-250A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Directly connect ERIFLEX FLEXIBAR on line side
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UDF250A	1.82	46	3.11	79	1.16	29	.33	.15	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
250 A	255 A	9 kA	23 kA	100 kA	1,000 VAC/DC	600 V

Line and Load Connections and Wire Size

Line Side Number of Connections	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Compact Wire Size - Ferrule	Load Side Wire Size
1	6	(6) 2,5 - 16 mm^2	(6) 2,5 - 16 mm^2	6) #10 - #4

Line Side ERI FLEX FLEXIBAR Size

Conducting Layers	Conductor Width (in.)	Conductor Width (mm)	Lamination Thickness (in.)	Lamination Thickness (mm)
3 - 6	.35	9	.03	.8
3 - 6	.51	13	.02	.5
2 - 6	.61	15.5	.03	.8

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

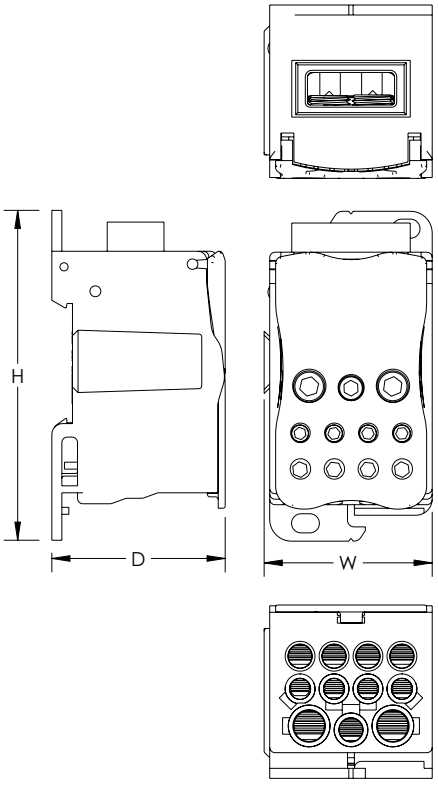
UDF-500A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Directly connect ERIFLEX FLEXIBAR on line side
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UDF500A	1.99	51	3.79	96	1.93	49	.82	.37	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
500 A	335 A	24.5 kA	51 kA	10 kA	1,000 VAC/DC	600 V

Line and Load Connections and Wire Size

Line Side Number of Connections	Load Side Number of Connection	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
1	11	(2) 6 - 35 mm^2 (4) 2.5 - 10 mm^2 (5) 2.5 - 16 mm^2	(2) 6 - 25 mm^2 (4) 2.5 - 10 mm^2 (5) 2.5 - 16 mm^2	(2) #8 - #1 (4) #8 - #6 (5) #8 - #4

Line Side ERI FLEX FLEXIBAR Size

Conducting Layers	Conductor Width (in.)	Conductor Width (mm)	Lamination Thickness (in.)	Lamination Thickness (mm)
4 - 6	.61	15.5	.03	0.8
2 - 6	.79	20.0	.04	1.0
2 - 8	.94	24.0	.04	1.0

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

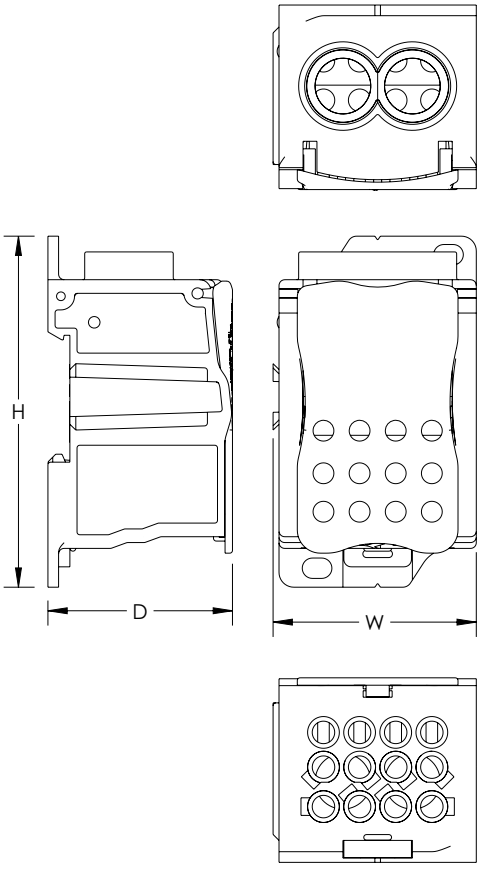
UD-400A-212AL SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Aluminum, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA
C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Ideal for solar applications
- Increase the number of outputs with one input using a jumper
- Tinned aluminum block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	Material	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UD400212AL	Aluminum	1.99	51	3.79	96	2.20	56	.35	.16	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
UD400212AL	400 A	400 A	24.5 kA	51 kA	10 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
UD400212AL	2	35 – 95 mm^2	#8 – 3/0	12	(12) 2,5 - 10 mm^2	(12) 2,5 - 10 mm^2	(12) #14 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

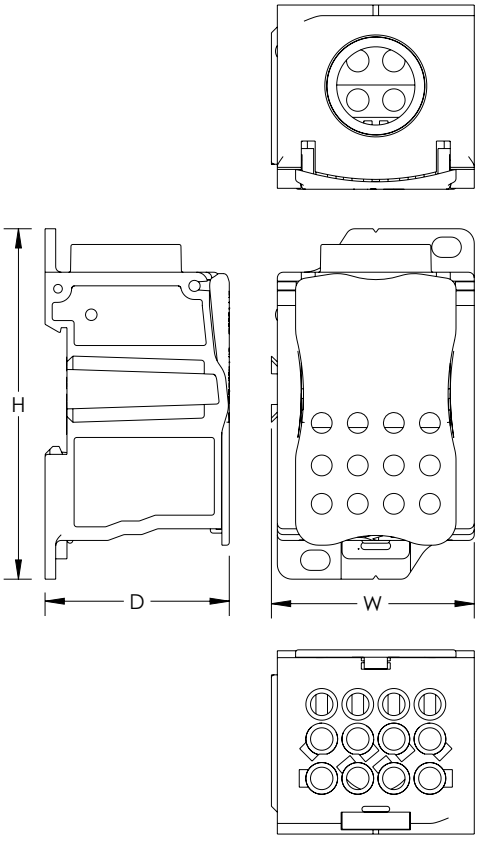
UD-400A-112AL SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Aluminum, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Ideal for solar applications
- Tinned aluminum block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	Material	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UD400112AL	Aluminum	1.99	51	3.79	96	2.20	56	.40	.18	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
UD400112AL	400 A	335 A	24.5 kA	51 kA	10 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
UD400112AL	1	95 – 185 mm^2	3/0 – 400 kcmil	12	(12) 2,5 - 10 mm^2	(12) 2,5 - 10 mm^2	(12) #14 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

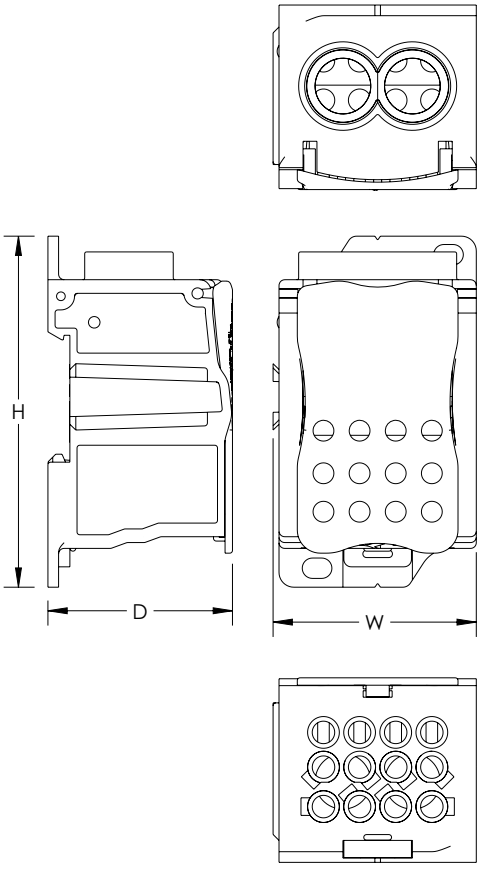
UD-400A-212CU SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA
C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Ideal for solar applications
- Increase the number of outputs with one input using a jumper
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	Material	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UD400212CU	Copper	1.99	51	3.79	96	2.20	56	.84	.38	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
UD400212CU	400 A	400 A	24.5 kA	51 kA	10 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
UD400212CU	2	35 – 95 mm^2	#8 – 3/0	12	(12) 2,5 - 10 mm^2	(12) 2,5 - 10 mm^2	(12) #14 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

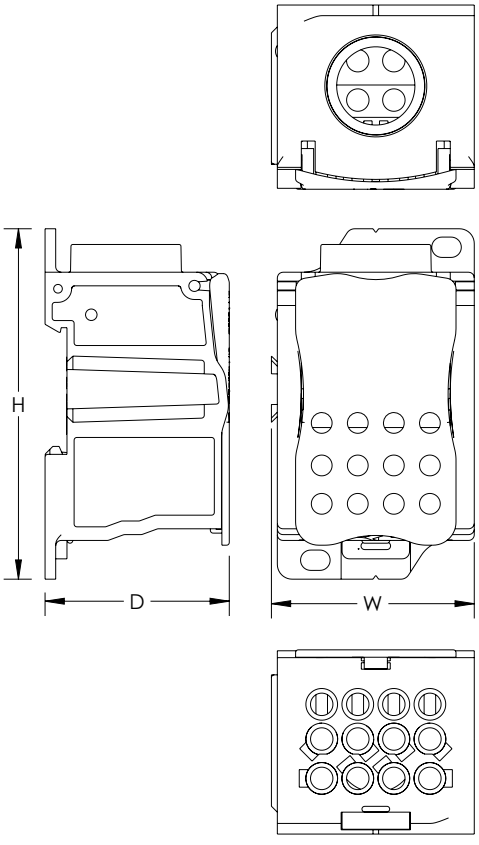
UD-400A-112CU SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA
C22.2 No. 158; File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
EAC; File No. 0234267
IEC60529 IP20
Complies with IEC60947-7-1

FEATURES

- Ideal for solar applications
- Tinned copper block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	Material	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
UD400112CU	Copper	1.99	51	3.79	96	2.20	56	.88	.40	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
UD400112CU	400 A	335 A	24.5 kA	51 kA	10 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

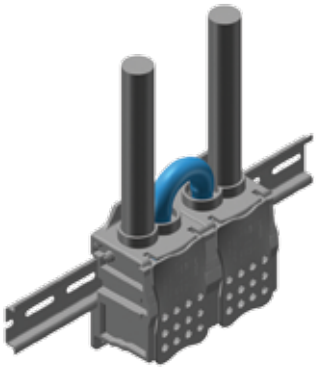
Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
UD400112CU	1	95 – 185 mm^2	3/0 – 400 kcmil	12	(12) 2,5 - 10 mm^2	(12) 2,5 - 10 mm^2	(12) #14 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

(12) .004 - .016 $in.^2$ (12) 2,5 - 10 mm^2										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

UD-400J JUMPER FOR SINGLE POLE DISTRIBUTION BLOCK



INDUSTRY STANDARDS

CE
EAC, File No. 0234267

FEATURES

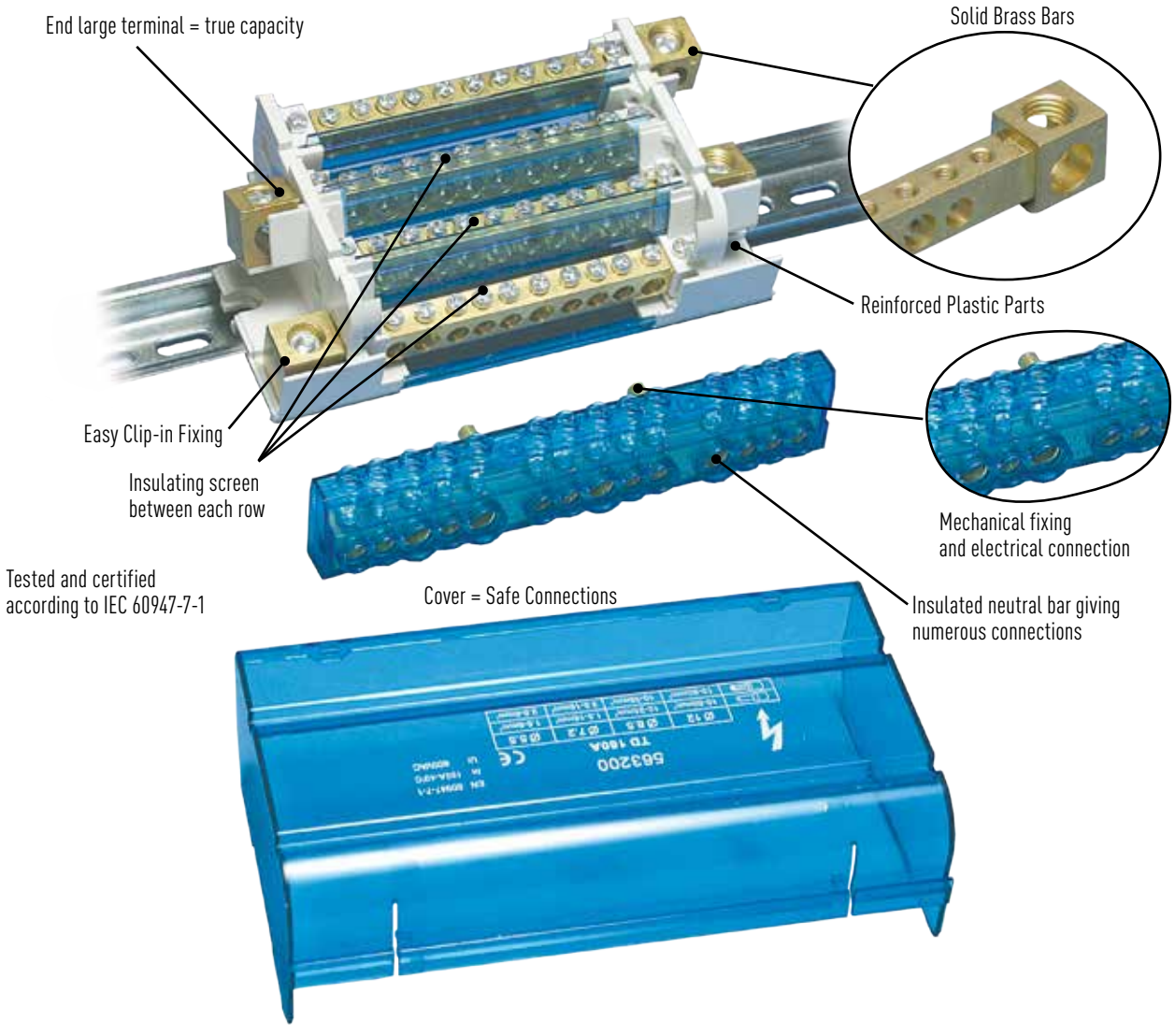
- Connects up to three UD-400A-212 copper or aluminum single pole distribution blocks in parallel
- Increases the number of inputs and outputs up to three times
- Ideal for collecting current coming from solar panels
- RoHS compliant

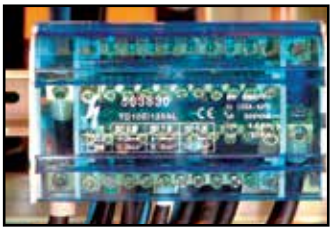
BULLETIN: ERI2

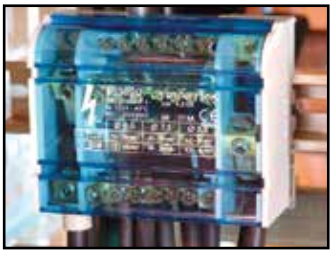
Catalog Number	Standard Package Qty.
UD400J	10

3

TWO- AND FOUR-POLE DISTRIBUTION BLOCKS



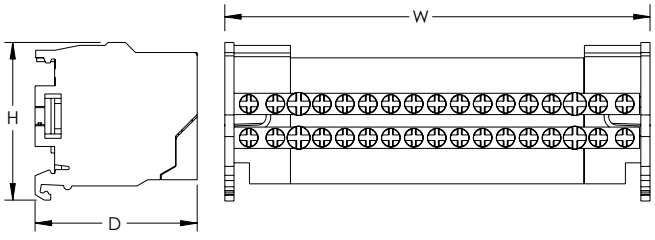






BD TWO POLE DISTRIBUTION BLOCK, 40 A

ACCESSORIES

CE
EAC; File No. 0234267
Complies with IEC 60947-7-1



BULLETIN: ERI2

INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60947-7-1

FEATURES

- Minimum space for maximum power
- Protection cover and insulating screens are transparent
- Insulating screen between each row
- Easy and safe connections
- Easily clips onto DIN rail or mounts to panel with screws
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
BD40A	1.97	50	1.97	50	5.12	130	.49	.22	1

Electrical Data

Max Current Rating, IEC	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Max Working Voltage, IEC (Ui)
40 A	4.5 kA	22 kA	500 V

Line and Load Connections and Wire Size

Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
2	6 – 16 mm^2	4 – 10 mm^2	15	(15) 1,5 – 4 mm^2	(15) 0,75 – 4 mm^2

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

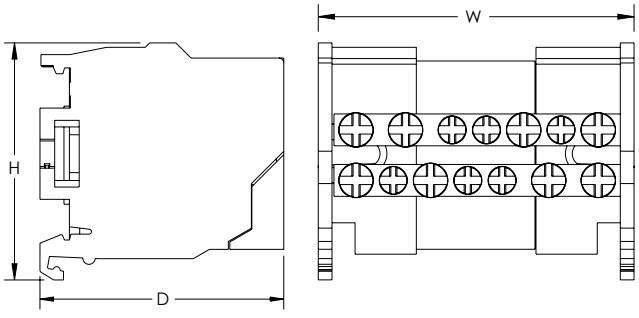
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

BD TWO POLE DISTRIBUTION BLOCK, 80/100 A

FEATURES

- Minimum space for maximum power
- Protection cover and insulating screens are transparent
- Insulating screen between each row
- Easy and safe connections
- Easily clips onto DIN rail or mounts to panel with screws
- Wiring with or without terminal
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0



INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60947-7-1

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
BD80100A	1.97	50	1.97	50	2.52	64	.24	.11	1
BD80100AL	1.97	50	1.97	50	5.12	130	.46	.21	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Max Working Voltage, IEC (Ui)
BD80100A	100 A	4.5 kA	20 kA	500 V
BD80100AL	100 A	4.5 kA	20 kA	500 V

Line and Load Connections and Wire Size

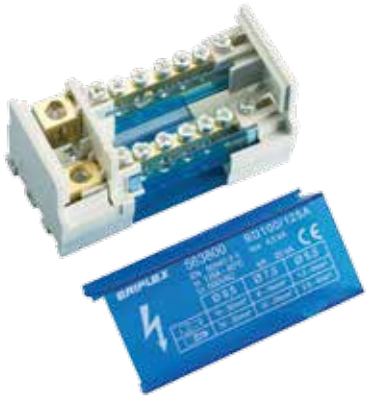
Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
BD80100A	1	10 – 25 mm^2	10 – 25 mm^2	6	(3) 1,5 – 4 mm^2 (3) 1,5 – 6 mm^2	(3) 0,75 – 4 mm^2 (3) 1,5 – 6 mm^2
BD80100AL	2	10 – 25 mm^2	10 – 25 mm^2	13	(6) 1,5 – 4 mm^2 (7) 2,5 – 6 mm^2	(6) 0,75 – 4 mm^2 (7) 1,5 – 6 mm^2

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

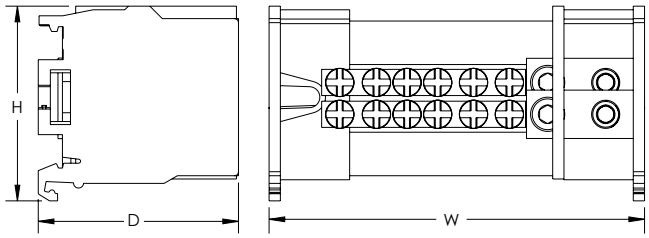
*environment around the terminal blocks inside the enclosure

BD TWO POLE DISTRIBUTION BLOCK, 100/125 A



FEATURES

- Minimum space for maximum power
- Protection cover and insulating screens are transparent
- Insulating screen between each row
- Easy and safe connections
- Input separated from outputs
- Easily clips onto DIN rail or mounts to panel with screws
- Wiring with or without terminal
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0



INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60947-7-1

BULLETIN: ERI2

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
BD100125A	1.97	50	1.97	50	3.70	94	.35	.16	1
BD100125AL	1.97	50	1.97	50	6.38	162	.60	.27	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Max Working Voltage, IEC (Ui)
BD100125A	125 A	4.5 kA	30 kA	690 V
BD100125AL	125 A	4.5 kA	25 kA	690 V

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
BD100125A	1	10 – 35 mm^2	10 – 35 mm^2	6	(5) 2,5 – 6 mm^2 (1) 10 – 25 mm^2	(5) 1,5 – 6 mm^2 (1) 6 – 16 mm^2
BD100125AL	1	10 – 35 mm^2	10 – 35 mm^2	14	(11) 2,5 – 6 mm^2 (3) 10 – 25 mm^2	(11) 1,5 – 6 mm^2 (3) 6 – 16 mm^2

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

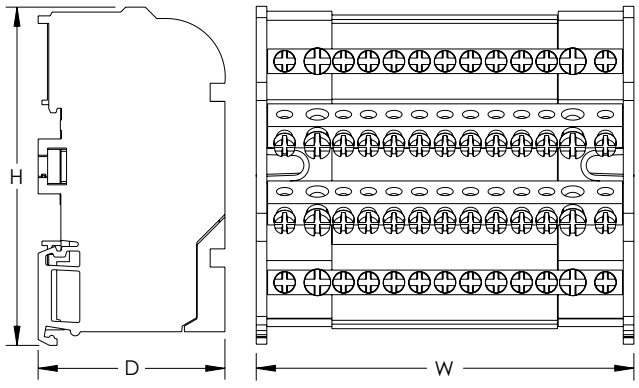
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 40 A

SPECIFICATIONS

- Material: Thermoplastic, Brass



BULLETIN: ERI2

INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60947-7-1

FEATURES

- Minimum space for maximum power
- Protection cover and insulating screens are transparent
- Insulating screen between each row
- Easy and safe connections
- Easily clips onto DIN rail or mounts to panel with screws
- Solid bars provide reliability
- Wiring with or without terminal
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TD40A	1.97	50	3.54	90	3.94	100	.73	.33	1

Electrical Data

Max Current Rating, IEC	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Max Working Voltage, IEC (Ui)
40 A	4.5 kA	22 kA	500 V

Line and Load Connections and Wire Size

Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connection	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
2	6 – 16 mm^2	4 – 10 mm^2	11	(11) 1,5 – 4 mm^2	(11) 0,75 – 4 mm^2

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

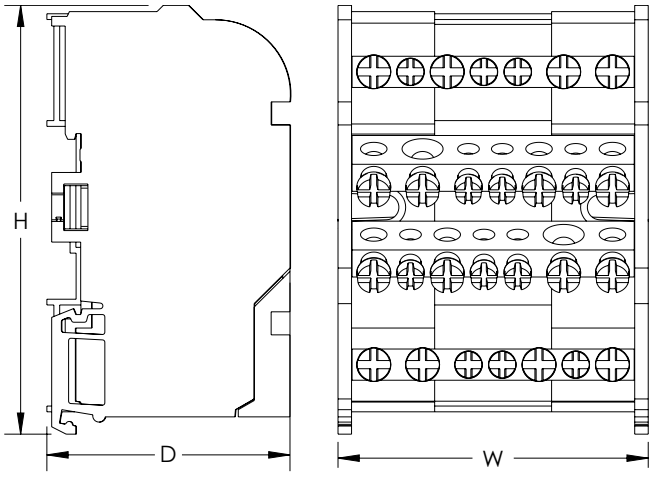
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 80/100 A

SPECIFICATIONS

- Material: Thermoplastic, Brass



BULLETIN: ERI2

INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60947-7-1

FEATURES

- Minimum space for maximum power
- Protection cover and insulating screens are transparent
- Insulating screen between each row
- Easy and safe connections
- Easily clips onto DIN rail or mounts to panel with screws
- Solid bars provide reliability
- Wiring with or without terminal
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TD80100A	1.97	50	3.54	90	2.52	64	.46	.21	1
TD80100AL	1.97	50	3.54	90	3.94	100	.68	.31	1
TD80100ALL	1.97	50	3.54	90	5.12	130	.88	.40	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Max Working Voltage, IEC (Ui)
TD80100A	100 A	4.5 kA	20 kA	500 V
TD80100AL	100 A	4.5 kA	20 kA	500 V
TD80100ALL	100 A	4.5 kA	20 kA	500 V

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
TD80100A	1	10 – 25 mm^2	10 – 25 mm^2	4	(3) 1,5 – 4 mm^2 (3) 2,5 – 6 mm^2	(3) 0,75 – 4 mm^2 (3) 1,5 – 6 mm^2
TD80100AL	2	10 – 25 mm^2	10 – 25 mm^2	9	(4) 1,5 – 4 mm^2 (5) 2,5 – 6 mm^2	(4) 0,75 – 4 mm^2 (5) 1,5 – 6 mm^2
TD80100ALL	2	10 – 25 mm^2	10 – 25 mm^2	13	(6) 1,5 – 4 mm^2 (7) 2,5 – 6 mm^2	(6) 0,75 – 4 mm^2 (7) 1,5 – 6 mm^2

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

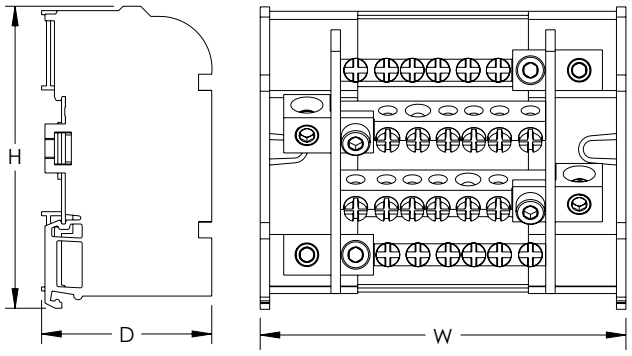
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 100/125 A

SPECIFICATIONS

- Material: Thermoplastic, Brass



BULLETIN: ERI2

INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60947-7-1

FEATURES

- Minimum space for maximum power
- Protection cover and insulating screens are transparent
- Insulating screen between each row
- Easy and safe connections
- Easily clips onto DIN rail or mounts to panel with screws
- Solid bars provide reliability
- Input separated from outputs
- Strong mechanical assembly
- Neutral bar available
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TD100125A	1.97	50	3.54	90	4.29	109	.73	.33	1
TD100125AL	1.97	50	3.54	90	5.79	147	.97	.44	1
TD100125ALL	1.97	50	3.54	90	7.17	182	1.21	.55	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Max Working Voltage, IEC (Ui)
TD100125A	125 A	4.5 kA	30 kA	690 V
TD100125AL	125 A	4.5 kA	30 kA	690 V
TD100125ALL	125 A	4.5 kA	21 kA	690 V

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
TD100125A	1	10 – 35 mm^2	10 – 35 mm^2	6	(5) 2,5 – 6 mm^2 (1) 10 – 25 mm^2	(5) .002 - .009 $in.^2$ (1) .009 - .025 $in.^2$ (5) 1,5 – 6 mm^2 (1) 6 – 16 mm^2
TD100125AL	1	10 – 35 mm^2	10 – 35 mm^2	10	(7) 2,5 – 6 mm^2 (3) 10 – 25 mm^2	(7) .002 - .009 $in.^2$ (3) .009 - .025 $in.^2$ (7) 1,5 – 6 mm^2 (3) 6 – 16 mm^2
TD100125ALL	1	10 – 35 mm^2	10 – 35 mm^2	14	(11) 2,5 – 6 mm^2 (1) 10 - 25 mm^2 (2) 10 - 35 mm^2	(11) 1,5 – 6 mm^2 (1) 6 – 16 mm^2 (2) 10 - 35 mm^2

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

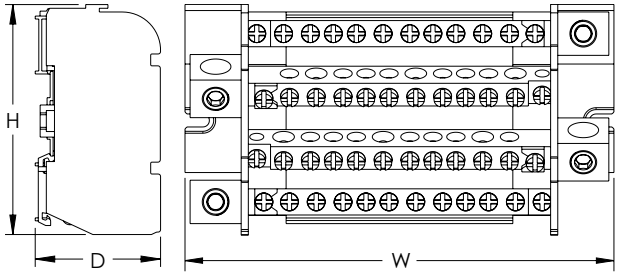
TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 160 A

FEATURES

- Minimum space for maximum power
- Protection cover and insulating screens are transparent
- Insulating screen between each row
- Easy and safe connections
- Easily clips onto DIN rail or mounts to panel with screws
- Solid bars provide reliability
- Input separated from outputs
- Neutral bar available
- Wiring with or without terminal
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

SPECIFICATIONS

- Material: Thermoplastic, Brass



INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60947-7-1

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TD160A	1.97	50	3.54	90	6.89	175	1.34	.61	1
TD160AL	2.76	70	3.54	90	6.69	170	1.63	.74	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Max Working Voltage, IEC (Ui)
TD160A	160 A	8.2 kA	35 kA	690 V
TD160AL	160 A	8.2 kA	35 kA	690 V

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
TD160A	1	10 – 50 mm^2	10 – 50 mm^2	11	(1) 2,5 – 6 mm^2 (7) 2,5 – 16 mm^2 (3) 10 – 35 mm^2	(1) 1,5 – 6 mm^2 (7) 1,5 – 16 mm^2 (3) 10 – 25 mm^2
TD160AL	1	10 – 50 mm^2	10 – 50 mm^2	11	(8) 2,5 – 16 mm^2 (3) 10 – 35 mm^2	(8) 1,5 – 6 mm^2 (3) 10 – 25 mm^2

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

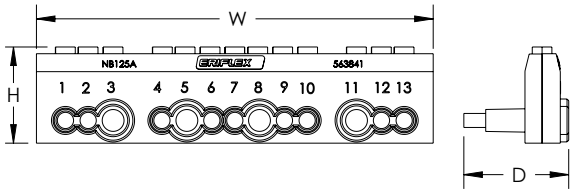
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

NEUTRAL BAR FOR TD DISTRIBUTION BLOCKS

FEATURES

- Attaches to four-pole distribution blocks for increased wire capacity
- Direct electrical connection
- Strong mechanical assembly
- Transparent protection cover
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0



INDUSTRY STANDARDS

Complies with IEC 60947-7-1

BULLETIN: ERI2

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.	Use With Distribution Blocks
NB125A	1.47	37	1.35	34	5.60	142	.37	.17	10	TD-100-125AL (563830) TD-100-125ALL (563840)
NB160A	1.63	40	1.35	34	6.70	170	.44	.20	10	TD-160A (563200) TD-160AL (563990)

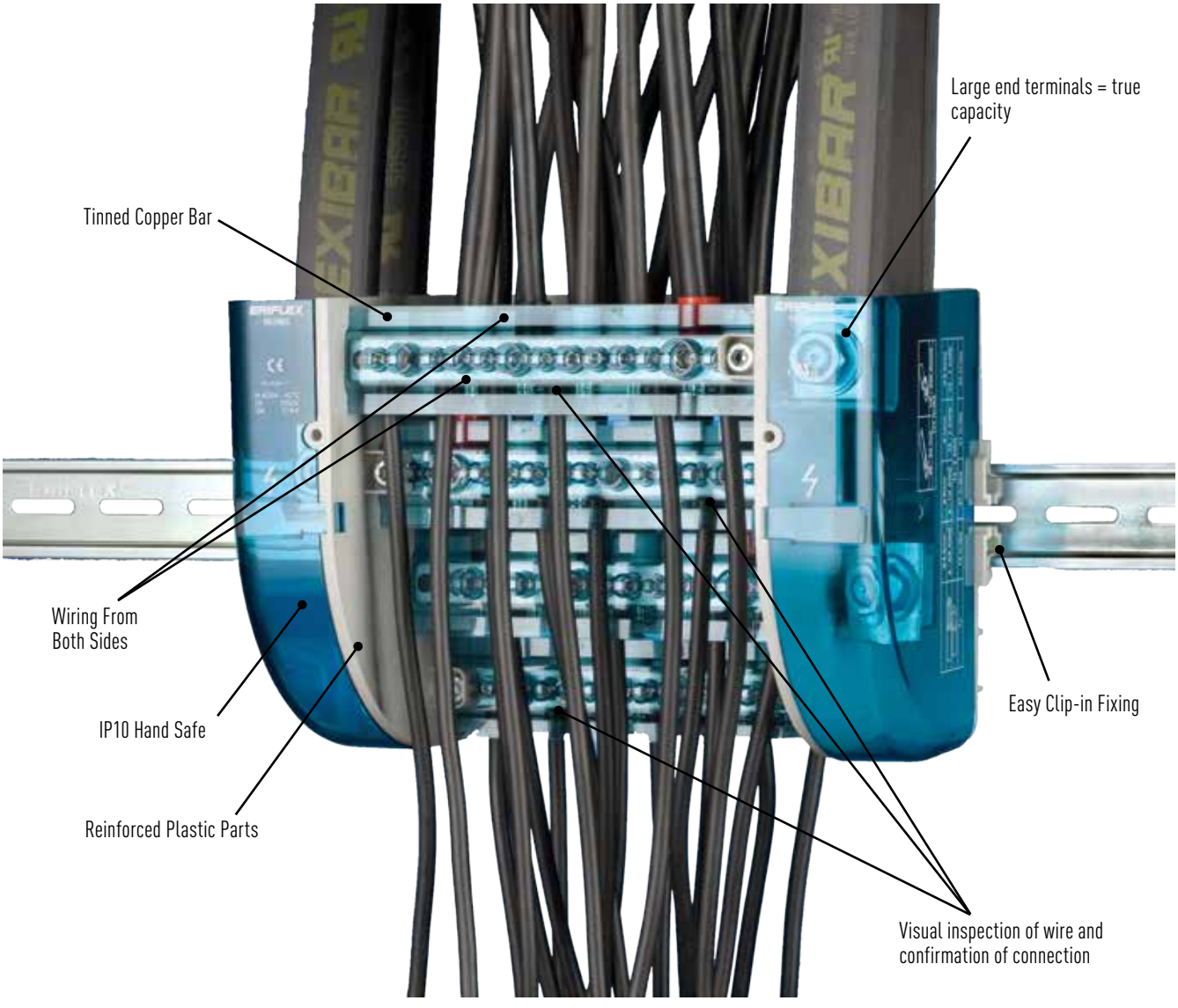
Electrical Data

Catalog Number	Max Current Rating, IEC	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)
NB125A	125 A	4.5 kA	30 kA
NB160A	160 A	6.2 kA	35 kA

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
NB125A	3	10 – 25 mm^2	6 – 16 mm^2	9	2,5 – 6 mm^2	1,5 – 6 mm^2
NB160A	4	10 – 35 mm^2	10 – 25 mm^2	10	2,5 – 16 mm^2	1,5 – 16 mm^2

FOUR-POLE DISTRIBUTION BLOCKS - TDL



- **Tested and certified according to IEC 60947-7-1**
- **cUL Component Recognized per CSA C22.2 No. 158; File No. E198301**
- **Ui= 1000 VAC/DC IEC 600 V UL**
- **Halogen Free**
- **Flammability rating: UL94V-0**

TDL COMPACT FOUR-POLE DISTRIBUTION BLOCKS, 400 A

FEATURES

- Connect ERIFLEX FLEXIBAR, insulated braided conductor or cable with lug on line side
- Tinned copper bars allows for copper or aluminum cable
- Transparent protection covers
- Easy and safe connections
- Easily clips onto DIN rail or mounts to panel with screws
- Solid bars provide reliability
- Input separated from outputs
- Supports wiring from both sides
- Design allows for visual inspection of conductor and confirmation of connection
- Large end terminals
- High percentange of fill ratio
- Wiring with or without terminal
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158; File No. E198301
Flammability Rating: UL 94V-0

CE
Complies with IEC 60947-7-1
IEC 60529 IP10
EAC File No. 0234267

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Qty.
TDL400A	4.75	121	6.14	156	8.82	224	3.73	1.69	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
400 A	400 A	23 kA	51 kA	1,000 VAC 1,500 VDC	600 V

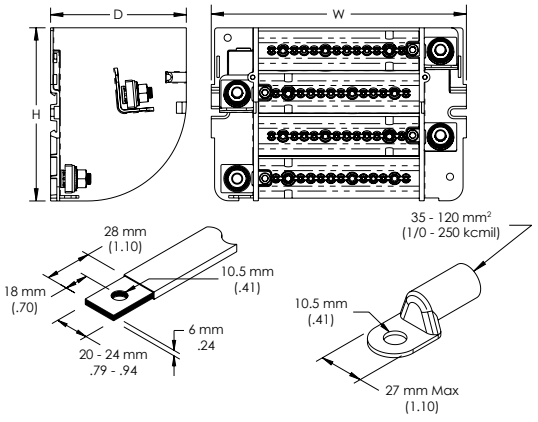
Line and Load Connections and Wire Size

Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Conductor Width (mm)	Line Side Stranded Wire Size - Ferrule	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
1	35 – 120 mm^2	20 – 24	35 – 120 mm^2	1/0 - 250 kcmil	14	(1) 10 – 50 mm^2 (2) 10 – 35 mm^2 (4) 6 – 25 mm^2 (7) 2,5 – 16 mm^2	(1) 10 – 35 mm^2 (2) 10 – 25 mm^2 (4) 6 – 16 mm^2 (7) 2,5 – 10 mm^2	(1) #6 – 1/0 (2) #8 - #1 (4) #10 - #3 (7) #10 - #5

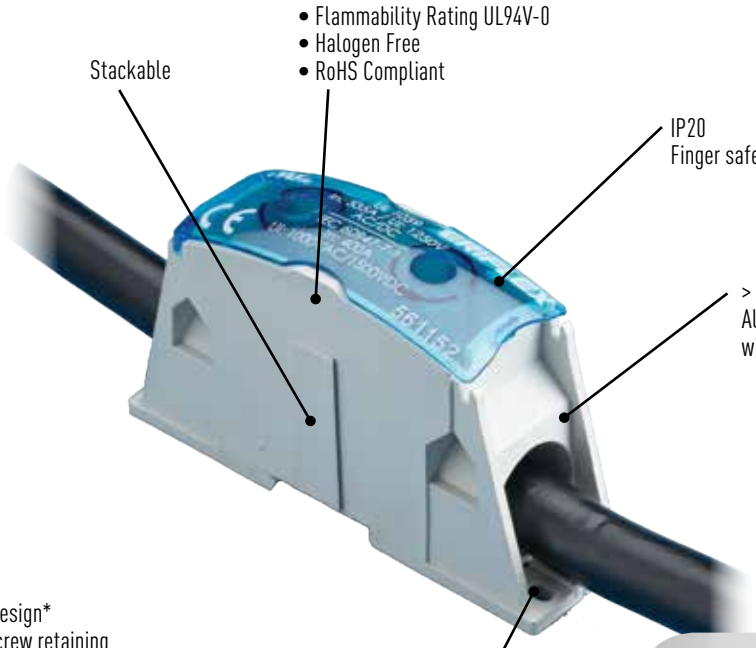
Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

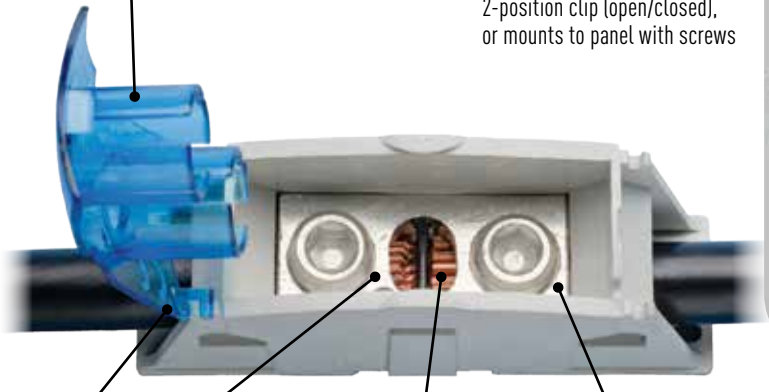
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure



POWER BLOCKS - SB SERIES

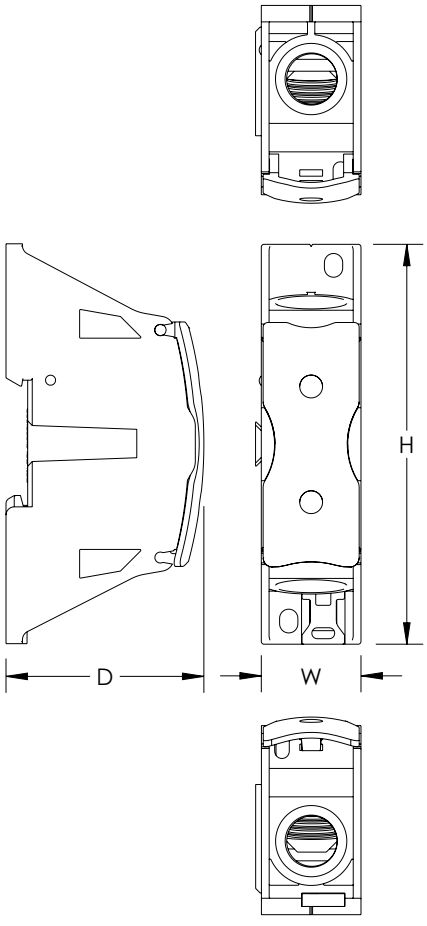




*Patent No's: 7,052,333 and 7,134,921

- **UL 1059 Component Recognized; File No. E198301**
- **cUL Component Recognized per CSA C22.2 No. 158; File No. E198301 (Tinned aluminum blocks only)**
- **Tested and certified according to IEC 60947-7-1 Ui=1000 VAC/1500 VDC**
- **SCCR rating if fused per UL File E198301: 100 kA**
- **Available in tinned copper or tinned aluminum**

CABLE TO CABLE POWER BLOCK



INDUSTRY STANDARDS

UL 1059 Component Recognized; File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301 (Tinned aluminum blocks only)
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
EAC, File No. 0234267 (Tinned copper blocks only)
IEC60529 IP20
Complies with IEC 60947-7-1

FEATURES

- Compact power block with high short circuit current rating
- Tinned copper or aluminum block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

FINISH

- Tinned

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	Material	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SB80	Copper, Thermoplastic	1.65	42	3.30	84	.68	17	.10	.05	1
SB80AL	Aluminum, Thermoplastic	1.65	42	3.30	84	.68	17	.08	.04	1
SB125	Copper, Thermoplastic	1.85	47	3.30	84	.80	20	.15	.07	1
SB125AL	Aluminum, Thermoplastic	1.85	47	3.30	84	.80	20	.10	.05	1
SB160	Copper, Thermoplastic	2.16	55	4.37	111	1.09	28	.40	.18	1
SB160AL	Aluminum, Thermoplastic	2.16	55	4.37	111	1.09	28	.22	.10	1
SB250	Copper, Thermoplastic	2.28	58	4.37	111	1.24	32	.66	.30	1
SB250AL	Aluminum, Thermoplastic	2.28	58	4.37	111	1.24	32	.29	.13	1
SB400	Copper, Thermoplastic	3.23	82	5.76	146	1.63	41	1.13	.51	1
SB400AL	Aluminum, Thermoplastic	3.23	82	5.76	146	1.63	41	.55	.25	1
SB630	Copper, Thermoplastic	3.52	89	6.87	175	2.13	54	2.64	1.20	1
SB630AL	Aluminum, Thermoplastic	3.52	89	6.87	175	2.13	54	1.29	.59	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Max Current Rating, UL	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
SB80	110 A	85 A	25 kA	100 kA	1,000 VAC / 1,500 VDC	1,000 VAC/DC
SB80AL	105 A	85 A	22 kA	100 kA	1,000 VAC / 1,500 VDC	1,000 VAC/DC
SB125	170 A	150 A	25 kA	100 kA	1,000 VAC / 1,500 VDC	1,250 VAC/DC
SB125AL	185 A	150 A	22 kA	100 kA	1,000 VAC / 1,500 VDC	1,250 VAC/DC
SB160	250 A	200 A	42 kA	100 kA	1,000 VAC / 1,500 VDC	1,000 VAC/DC
SB160AL	230 A	200 A	42 kA	100 kA	1,000 VAC / 1,500 VDC	1,000 VAC/DC
SB250	400 A	255 A	42 kA	100 kA	1,000 VAC / 1,500 VDC	1,250 VAC/DC
SB250AL	400 A	255 A	42 kA	100 kA	1,000 VAC / 1,500 VDC	1,250 VAC/DC
SB400	500 A	335 A	51 kA	100 kA	1,000 VAC / 1,500 VDC	1,250 VAC/DC
SB400AL	610 A	335 A	51 kA	100 kA	1,000 VAC / 1,500 VDC	1,250 VAC/DC
SB630	870 A	545 A	51 kA	100 kA	1,000 VAC / 1,500 VDC	1,250 VAC/DC
SB630AL	860 A	545 A	51 kA	100 kA	1,000 VAC / 1,500 VDC	1,250 VAC/DC

Line and Load Connections and Wire Size

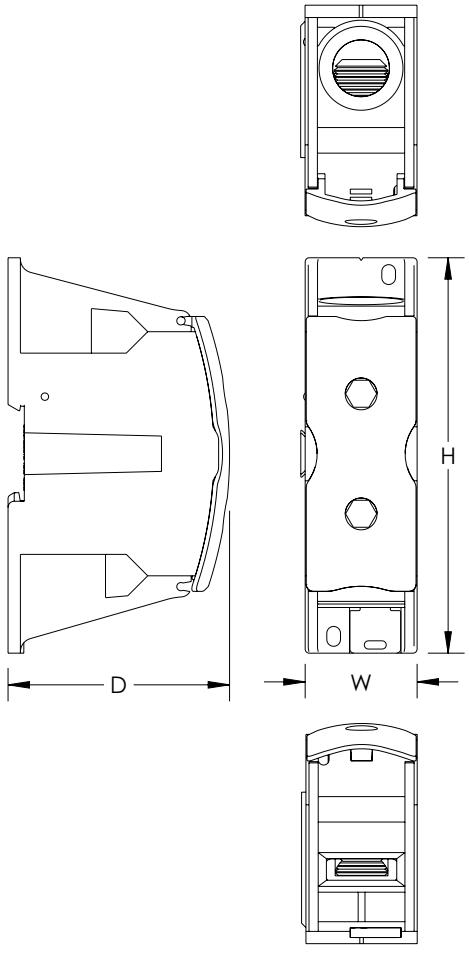
Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Solid Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Solid Wire Size
SB80	1	6 – 16 mm^2 #16 – #4	2.5-6 mm^2 #16-#10	1	6 – 16 mm^2 #16 – #4	6 - 16 mm^2	2.5-6 mm^2 #16-#10
SB80AL	1	6 – 16 mm^2 #16 – #4	2.5-6 mm^2 #16-#10	1	6 – 16 mm^2 #16 – #4	6 - 16 mm^2	2.5-6 mm^2 #16-#10
SB125	1	10 – 35 mm^2 #8 – 1/0	—	1	10 – 35 mm^2 #8 – 1/0	10 - 35 mm^2	—
SB125AL	1	10 – 35 mm^2 #8 – 1/0	—	1	10 – 35 mm^2 #8 – 1/0	10 - 35 mm^2	—
SB160	1	35 – 70 mm^2 #2 – 3/0	—	1	35 – 70 mm^2 #2 – 3/0	35 - 70 mm^2	—
SB160AL	1	35 – 70 mm^2 #2 – 3/0	—	1	35 – 70 mm^2 #2 – 3/0	35 - 70 mm^2	—
SB250	1	35 – 120 mm^2 #6 – 250 kcmil	—	1	35 – 120 mm^2 #6 – 250 kcmil	35 - 120 mm^2	—
SB250AL	1	35 – 120 mm^2 #6 – 250 kcmil	—	1	35 – 120 mm^2 #6 – 250 kcmil	35 - 120 mm^2	—
SB400	1	95 – 240 mm^2 3/0 – 400 kcmil	—	1	95 – 240 mm^2 3/0 – 400 kcmil	95 - 240 mm^2	—
SB400AL	1	95 – 240 mm^2 3/0 – 400 kcmil	—	1	95 – 240 mm^2 3/0 – 400 kcmil	95 - 240 mm^2	—
SB630	1	240 – 500 mm^2 400 – 1,000 kcmil	—	1	240 – 500 mm^2 400 – 1,000 kcmil	240 – 500 mm^2 400 – 1,000 kcmil	—
SB630AL	1	240 – 500 mm^2 400 – 1,000 kcmil	—	1	240 – 500 mm^2 400 – 1,000 kcmil	240 – 500 mm^2 400 – 1,000 kcmil	—

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

CABLE TO ERIFLEX FLEXIBAR/INSULATED POWER BRAID POWER BLOCK



INDUSTRY STANDARDS

UL 1059 Component Recognized; File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301 (Tinned aluminum blocks only)
Flammability Rating: UL 94V-0
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

Complies with IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267 (Tinned copper blocks only)
CE

FEATURES

- Directly connect ERIFLEX FLEXIBAR or insulated power braid on line side
- Compact power block with high short circuit current rating
- Tinned copper or aluminum block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- Voltage detection and measurement connection
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

FINISH

- Tinned

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	Material	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBF400	Copper, Thermoplastic	3.23	82	5.76	146	1.63	41	1.23	.56	1
SBF400AL	Aluminum, Thermoplastic	3.23	82	5.76	146	1.63	41	.59	.27	1
SBF630	Copper, Thermoplastic	3.52	89	6.87	174	2.13	54	3.07	1.39	1
SBF630AL	Aluminum, Thermoplastic	3.52	89	6.87	174	2.13	54	1.41	.64	1

Electrical Data

Catalog Number	Max Current Rating, FLEXIBAR, IEC	Max Current Rating, FLEXIBAR, UL/CSA	Max Current Rating, Insulated Power Braid, IEC	Max Current Rating, Insulated Power Braid, UL/CSA	Max Current Rating, UL	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
SBF400	445 A	—	405 A	—	335 A	51 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC
SBF400AL	510 A	335 A	450 A	240 A	—	51 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC
SBF630	805 A	—	800 A	—	545 A	51 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC
SBF630AL	760 A	490 A	750 A	410 A	—	51 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Insulated Power Braid Cross Section	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Wire Size
SBF400	1	100 mm^2	1	95 – 240 mm^2	3/0 – 400 kcmil
SBF400AL	1	100 mm^2	1	95 – 240 mm^2	3/0 – 400 kcmil
SBF630	1	240 mm^2	1	240 - 500 mm^2	400 – 1,000 kcmil
SBF630AL	1	100/240 mm^2	1	240 - 500 mm^2	400 – 1,000 kcmil

Line Side ERI FLEX FLEXIBAR Size

Catalog Number	Number of Layers	Conductor Width (in.)	Conductor Width (mm)	Lamination Thickness (in.)	Lamination Thickness (mm)
SBF400	2 - 5	.79 - .94	20 - 24	.04	1
SBF400AL	2 - 5	.79 - .94	20 - 24	.04	1
SBF630	2 - 8	.79 - 1.26	20 - 32	.04	1
SBF630AL	2 - 8	.79 - 1.26	20 - 32	.04	1

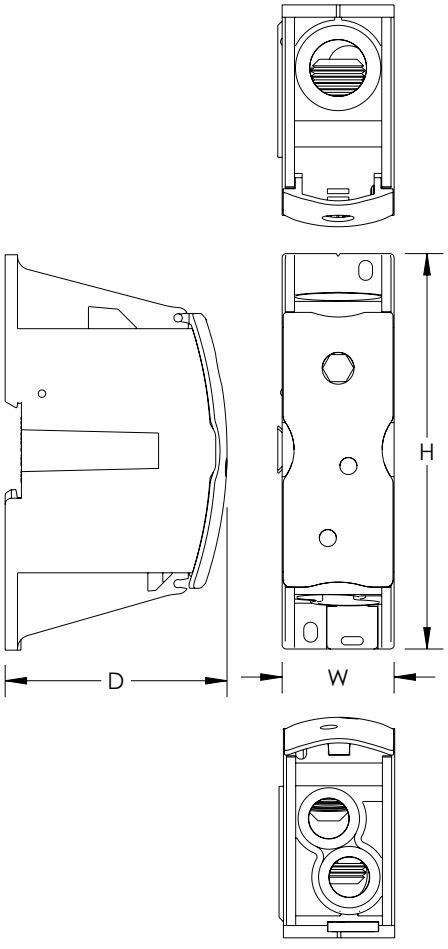
Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

3

CABLE TO TWO CABLES POWER BLOCK



INDUSTRY STANDARDS

UL 1059 Component Recognized; File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301 (Tinned aluminum blocks only)
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

Complies with IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267 (Tinned copper blocks only)
CE

FEATURES

- Compact power block with high short circuit current rating
- Tinned copper or aluminum block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- Voltage detection and measurement connection
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

FINISH

- Tinned

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	Material	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SB2C400	Copper, Thermoplastic	3.23	82	5.76	146	1.63	41	1.61	.73	1
SB2C400AL	Aluminum, Thermoplastic	3.23	82	5.76	146	1.63	41	.66	.30	1

Electrical Data

Catalog Number	Max Current Rating, IEC	Max Current Rating, UL	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
SB2C400	600 A	335 A	51 kA	100 kA	1,000 VAC 1,500 VD	1,000 VAC/DC
SB2C400AL	670 A	335 A	51 kA	100 kA	1,000 VAC 1,500 VD	1,000 VAC/DC

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
SB2C400	1	95 – 240 mm^2	3/0 – 400 kcmil	2	(2) 35 - 120 mm^2	(2) 35 - 120 mm^2	(2) #2 – 250 kcmil
SB2C400AL	1	95 – 240 mm^2	3/0 – 400 kcmil	2	(2) 35 - 120 mm^2	(2) 35 - 120 mm^2	(2) #2 – 250 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

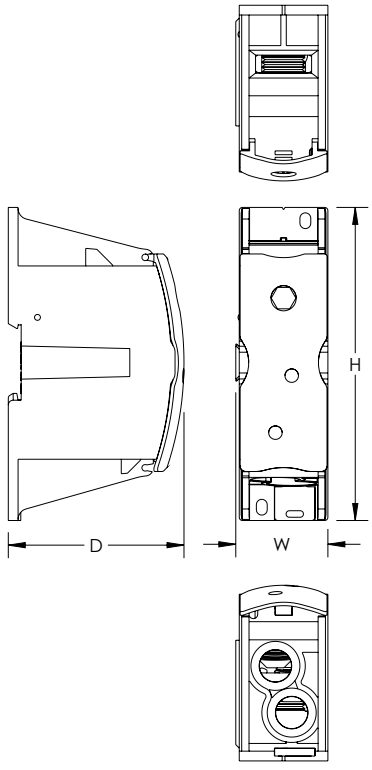
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient Derating CoefficientDerating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

TWO CABLES TO ERIFLEX FLEXIBAR/INSULATED POWER BRAID POWER BLOCK

FINISH

- Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized; File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301 (Tinned aluminum blocks only)
Flammability Rating: UL 94V-0
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

Complies with IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267 (Tinned copper blocks only)
CE

FEATURES

- Directly connect ERIFLEX FLEXIBAR or insulated power braid on line side
- Compact power block with high short circuit current rating
- Tinned copper or aluminum block allows for copper or aluminum conductor connections
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- Voltage detection and measurement connection
- 95% fill ratio
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI2

Catalog Number	Material	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBF2C400	Copper, Thermoplastic	3.23	82	5.76	146	1.63	41	1.67	.76	1
SBF2C400AL	Aluminum, Thermoplastic	3.23	82	5.76	146	1.63	41	.74	.34	1

Electrical Data

Catalog Number	Max Current Rating, ERIFLEX FLEXIBAR, IEC	Max Current Rating, Insulated Power Braid, IEC	Max Current Rating, UL	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
SBF2C400	560 A	500 A	335 A	51 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC
SBF2C400AL	550 A	480 A	335 A	51 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Catalog Number	Line Side Number of Connections	Line Side Insulated Power Braid Cross Section	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Solid Wire Size
SBF2C400	1	100 mm^2	2	(2) 35 – 120 mm^2	(2) 35 – 120 mm^2	(2) #2 – 250 kcmil
SBF2C400AL	1	100 mm^2	2	(2) 35 – 120 mm^2	(2) 35 – 120 mm^2	(2) #2 – 250 kcmil

Line Side ERIFLEX FLEXIBAR Size

Catalog Number	Number of Layers	Conductor Width	Lamination Thickness
SBF2C400	2 - 5	20 - 24 mm	1 mm
SBF2C400AL	2 - 5	20 - 24 mm	1 mm

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

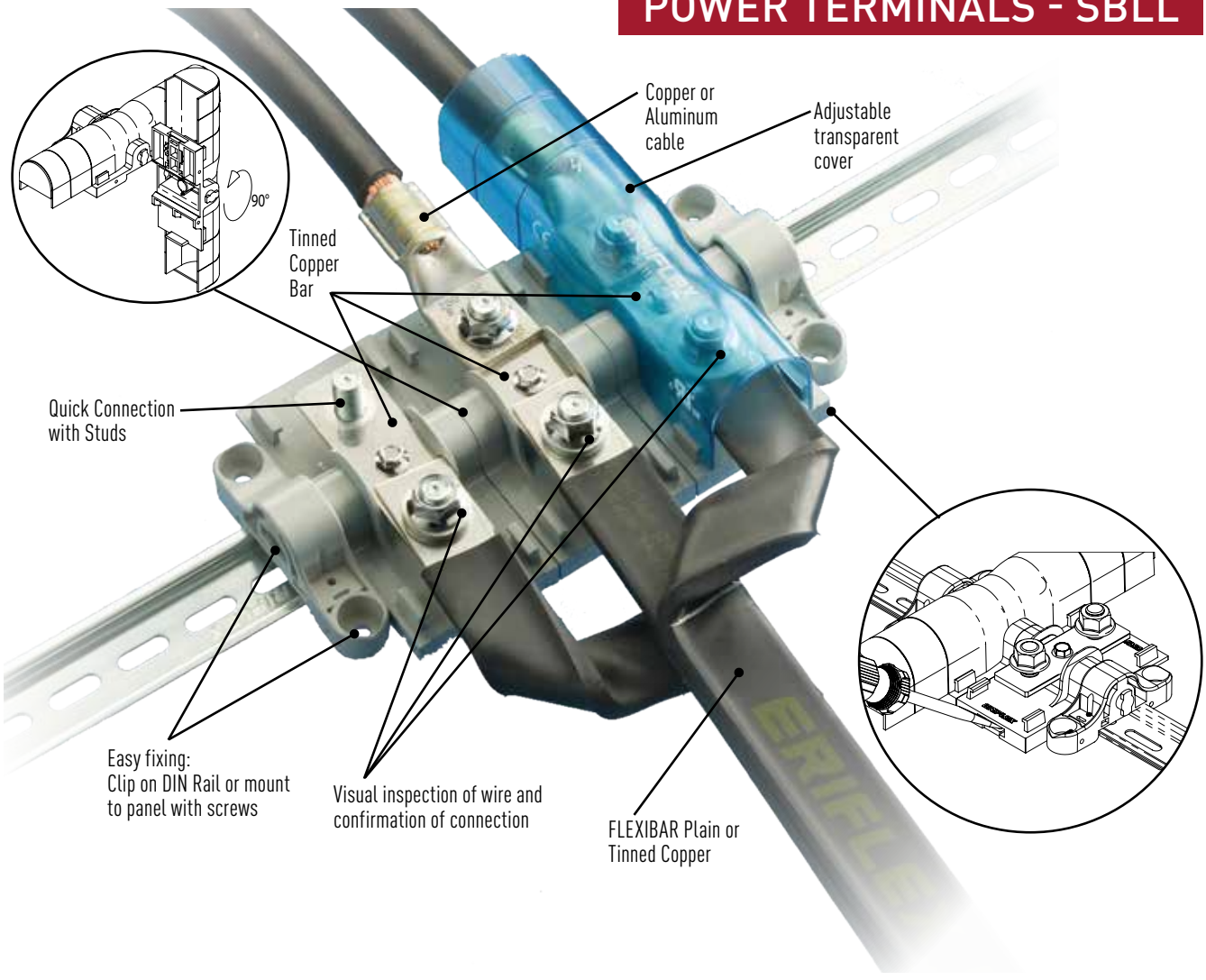
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

Notes

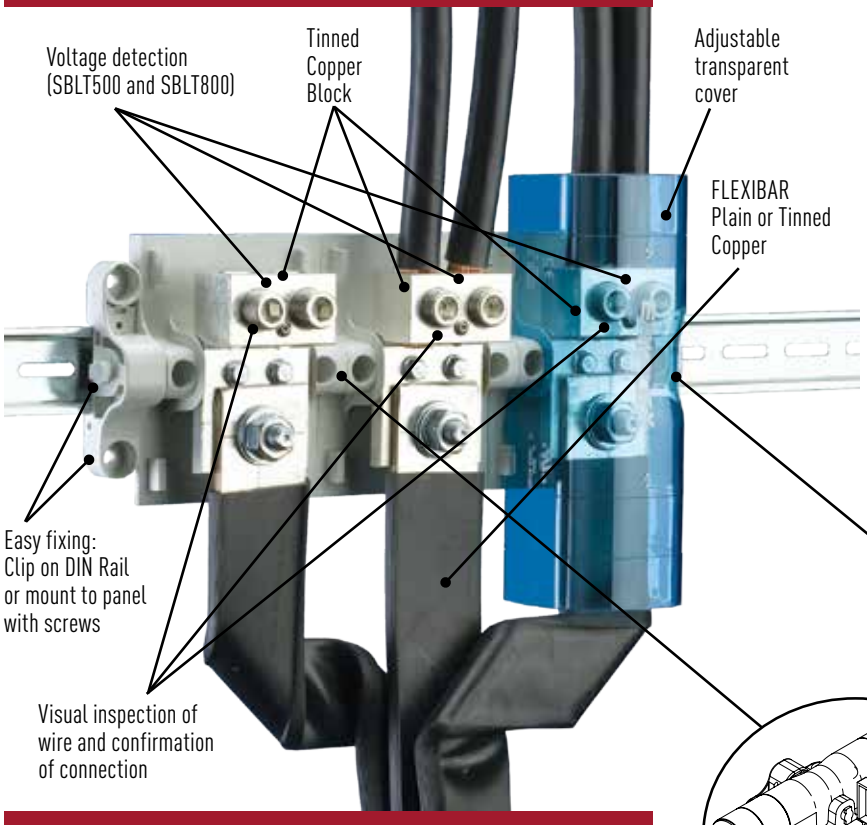
POWER TERMINALS

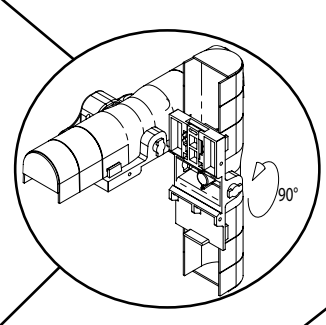
POWER TERMINALS - SBLL

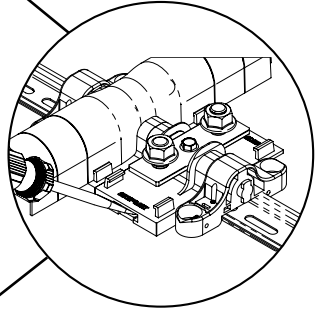


- **UL 1059 Component Recognized: File No. E198301**
- **cUL Component Recognized per CSA C22.2 No. 158; File No. E198301**
- **CSA C22.2 No.158 Certification No. 70044370**
- **cURus and CSA recognized for 1000 V**
- **Tested and certified according to IEC 60947-7-1 Ui=1000 V AC/1500 VDC**
- **SCCR Rating if fused per UL File E198301: 100 kA**
- **Flammability Rating: UL 94V-1**

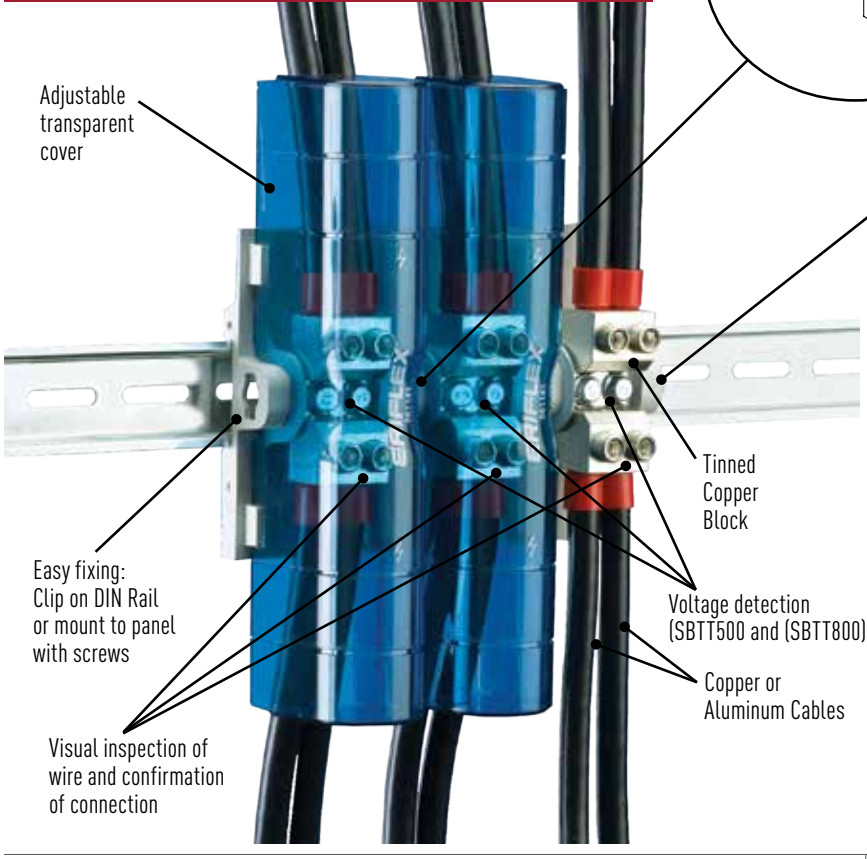
POWER TERMINALS - SBLT

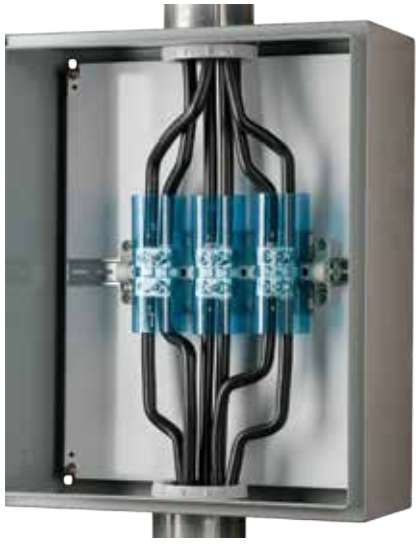






POWER TERMINALS - SBTT





SBLL250 LUG-TO-LUG POWER TERMINAL

INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

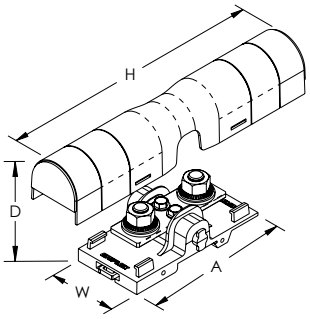
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs allow for easy connection of sections of ERIFLEX FLEXIBAR or other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

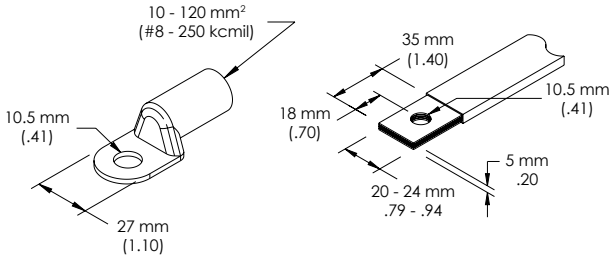
SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned





BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBLL250	2.56	65	8.10	206	2.06	52	4.25	108	.35	.16	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
290 A	255 A	14.4 kA	42 kA	100 kA	1,000 VAC 1,500 VDC	1,000 V

Line and Load Connections and Wire Size

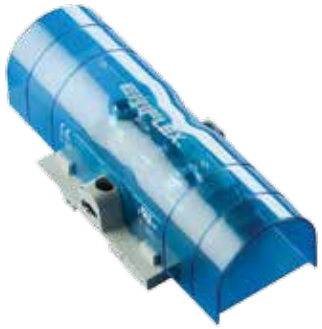
Number of Stud Connections	Stud Connection Conductor Width (in.)	Stud Connection Conductor Width (mm)	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size
2	.79 - .94	20 – 24	10 – 120 mm²	#8 - 250 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBLL500 LUG-TO-LUG POWER TERMINAL



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

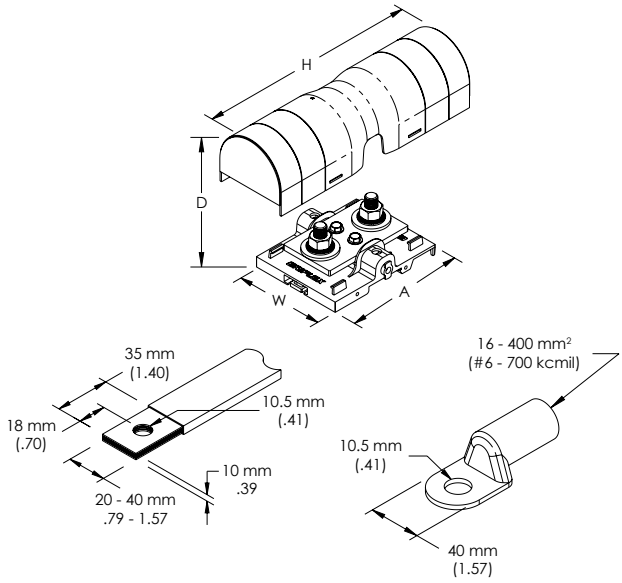
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs allow for easy connection of sections of ERIFLEX FLEXIBAR or other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBLL500	2.56	65	8.10	206	3.35	85	4.25	108	.75	.34	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
750 A	475 A	36 kA	51 kA	100 kA	1,000 VAC 1,500 VD	1,000 VDC

Line and Load Connections and Wire Size

umber of Stud Connections	Stud Connection Conductor Width (in./mm)	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size
2	.79 - 1.57 20 – 40	.16 – 400 mm²	#6 - 700 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBLL800 LUG-TO-LUG POWER TERMINAL

INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

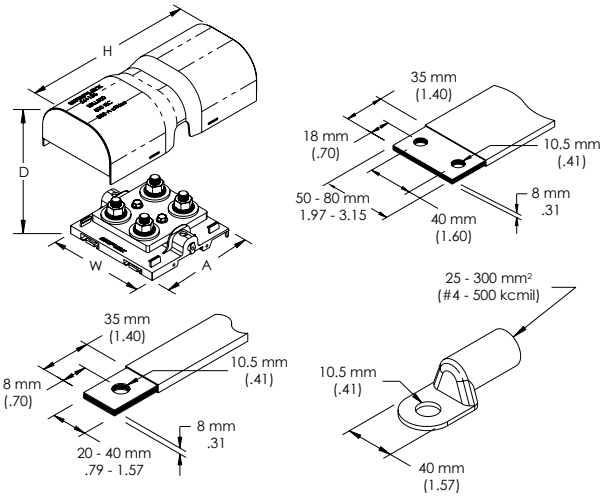
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs allow for easy connection of sections of ERIFLEX FLEXIBAR or other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBLL800	2.95	75	8.10	206	4.53	115	4.25	108	1.54	.70	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
1,250 A	800 A	57.6 kA	75 kA	100 kA	1,000 VAC 1,500 VDC	1,000 V

Line and Load Connections and Wire Size

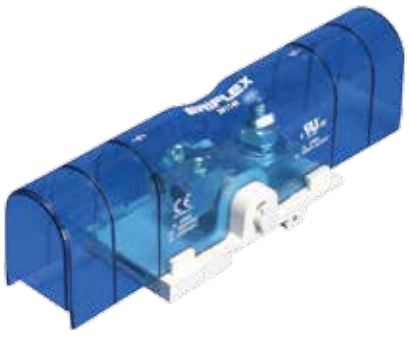
Number of Stud Connections	Stud Connection Conductor Width (in.)	Stud Connection Conductor Width (mm)	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size
4	(2) .79 – 1.57 in. (1) 1.97 – 3.15 in.	(2) 20 – 40 mm (1) 50 – 80 mm	(2) 25 – 300 mm^2	(2) #4 - 500 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBLT250 LUG-TO-TERMINAL POWER TERMINAL



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

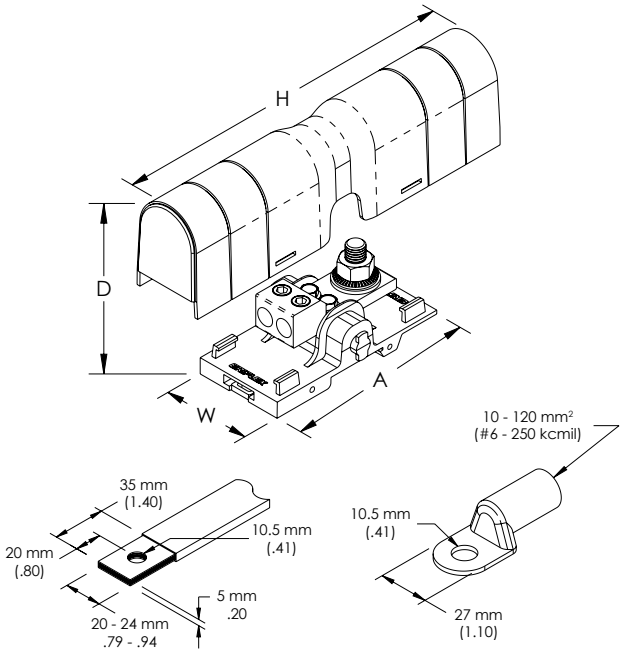
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBLT250	2.56	65	8.10	206	2.10	53	4.25	108	.60	.27	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
350 A	300 A	8.4 kA	30 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Number of Stud Connections	Stud Connection Conductor Width (in.)	Stud Connection Conductor Width (mm)	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size	Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
1	.79 - .94	20 – 24	10 – 120 mm^2	#6 - 250 kcmil	2	(2) 10 – 50 mm^2	(2) 10 – 35 mm^2	(2) #8 – 1/0

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

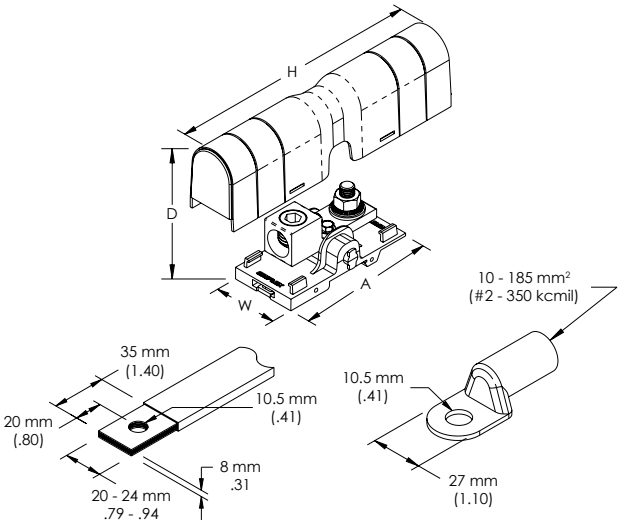
SBLT350 LUG-TO-TUNNEL POWER TERMINAL

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

BULLETIN: ERI2

FEATURES

- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBLT350	2.56	65	8.10	206	2.10	53	4.25	108	.77	.35	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
500 A	310 A	22.2 kA	43 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Number of Stud Connections	Stud Connection Conductor Width (in.)	Stud Connection Conductor Width (mm)	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size	Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
1	.79 - .94	20 – 24	10 – 185 mm^2	#2 - 350 kcmil	1	35 – 185 mm^2	35 – 150 mm^2	#2 – 350 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBLT500 LUG-TO-TUNNEL POWER TERMINAL

INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

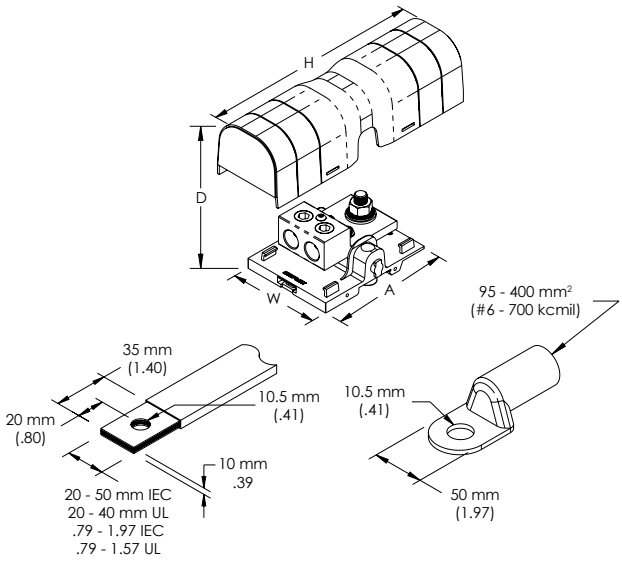
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBLT500	2.60	66	8.10	206	3.35	85	4.25	108	1.34	.61	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
750 A	500 A	28.8 kA	52 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Number of Stud Connections	Stud Connection Conductor Width (in.)	Stud Connection Conductor Width (mm)	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size	Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
1	.79 – 1.97 in. IEC .79 – 1.57 in. UL	20 – 50 IEC 20 – 40 UL	95 – 400 mm^2	#6 - 700 kcmil	2	(2) 16 – 120 mm^2	(2) 16 – 120 mm^2	(2) #6 – 250 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBLT800 LUG-TO-TUNNEL POWER TERMINAL

INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

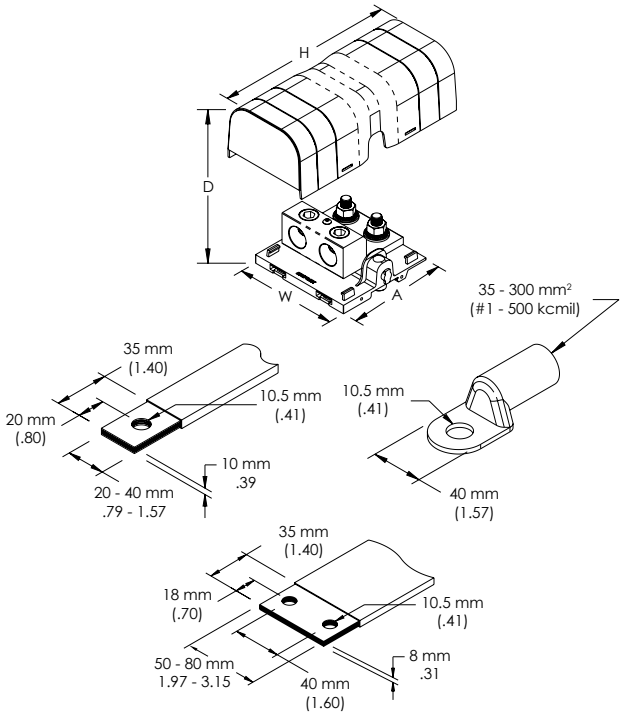
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBLT800	2.95	75	8.10	206	4.53	115	4.25	108	2.40	1.09	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
1,250 A	760 A	57.6 kA	75 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

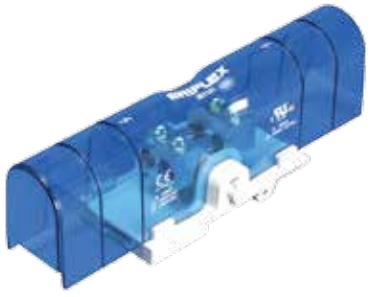
Number of Stud Connections	Stud Connection Conductor Width (in.)	Stud Connection Conductor Width (mm)	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size	Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
2	(2) .79 – 1.57 (1) 1.97 – 3.15	(2) 20 – 40 (1) 50 – 80	(2) 35 – 300 mm^2	(2) #1 - 500 kcmil	2	(2) 95 – 240 mm^2	(2) 50 – 185 mm^2	(2) 3/0 – 500 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBTT250 TUNNEL-TO-TUNNEL POWER TERMINAL

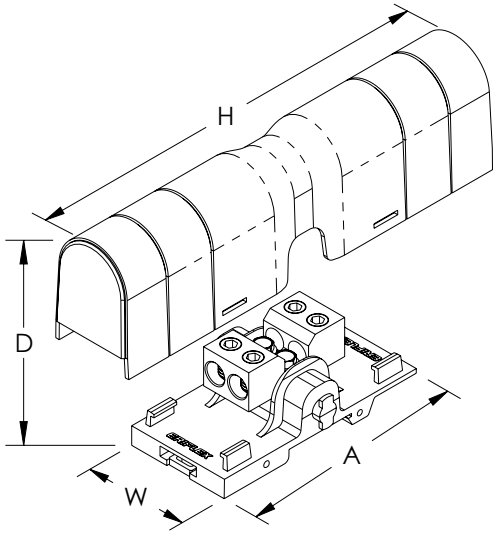


SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



BULLETIN: ERI2

INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBTT250	2.60	66	8.10	206	2.10	53	4.25	108	.57	.26	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Short Term Withstand Current (Icw) 1s	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin
350 A	300 A	8.4 kA	30 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
4	(4) 10 – 50 mm^2	(4) 10 – 35 mm^2	(4) #8 – 1/0

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBTT350 TUNNEL-TO-TUNNEL POWER TERMINAL

INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

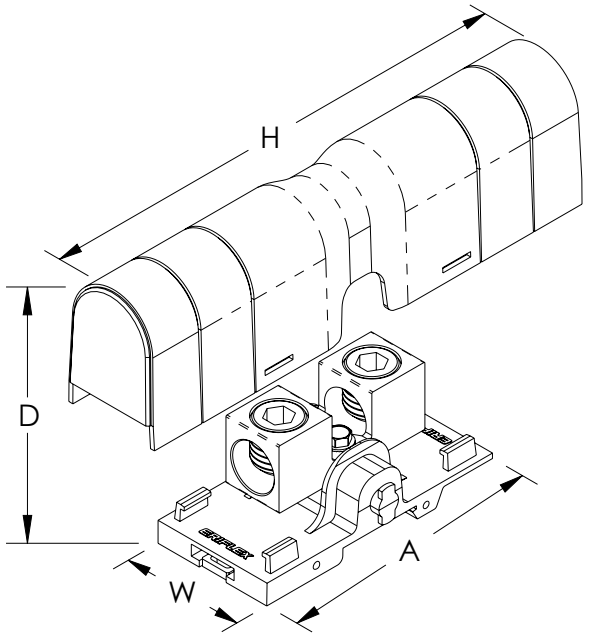
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBTT350	2.60	66	8.10	206	2.10	53	4.25	108	.73	.33	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
500 A	310 A	22.2 kA	43 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
2	(2) 35 – 185 mm^2	(2) 35 – 150 mm^2	(2) #2 – 350 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBTT500 TUNNEL-TO-TUNNEL POWER TERMINAL

INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

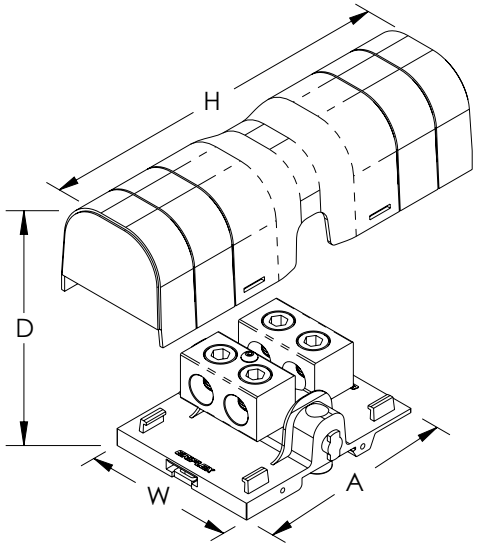
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBTT500	2.60	66	8.10	206	3.35	85	4.25	108	1.32	.60	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
750 A	500 A	28.8 kA	52 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
4	(4) 16 – 120 mm^2	(4) 16 – 120 mm^2	(4) #6 – 250 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

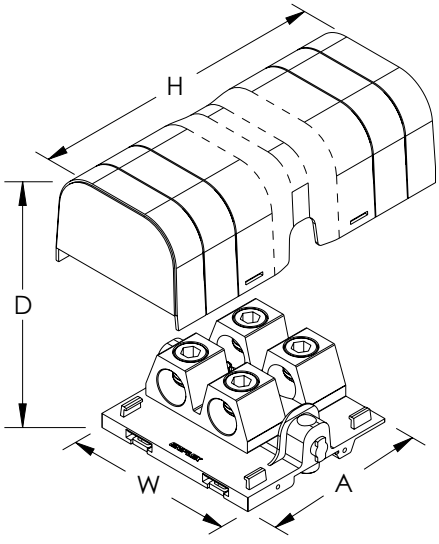
SBTT800 TUNNEL-TO-TUNNEL POWER TERMINAL

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



INDUSTRY STANDARDS

UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CE
CSA C22.2 No. 158 Certificate No. 70044370
Complies with IEC 60947-7-1
EAC File No. 0234267

FEATURES

- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- SBLEC Power Terminals Fixing Accessory required for direct panel mount
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-1

BULLETIN: ERI2

3

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBTT800	2.95	75	8.10	206	4.53	115	4.25	108	2.29	1.04	1

Electrical Data

Max Current Rating, IEC	Max Current Rating, UL/CSA	Short Term Withstand Current (Icw) 1s	Peak Short Circuit Current (Ipk)	Short Circuit Current Rating (SCCR)	Max Working Voltage, IEC (Ui)	Max Working Voltage, UL (Vin)
1,250 A	760 A	57.6 kA	75 kA	100 kA	1,000 VAC 1,500 VDC	1,000 VAC/DC

Line and Load Connections and Wire Size

Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
4	(4) 95 – 240 mm^2	(4) 50 – 185 mm^2	(4) 3/0 – 500 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

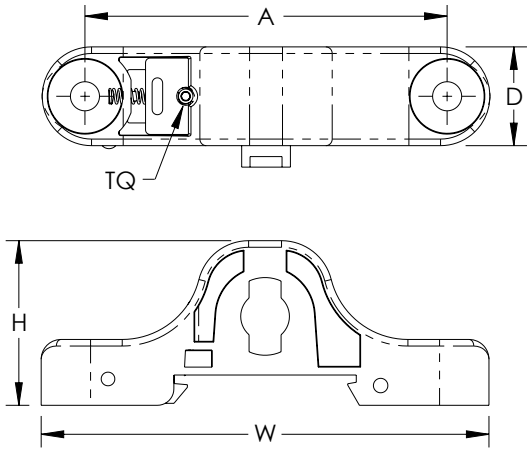
Derating according to Ambient* Temperature to maintain working temperature of 185 F (85 C)										
Ambient Temperature (°F/°C)	86 / 30	95 / 35	104 / 40	113 / 45	122 / 50	131 / 55	140 / 60	149 / 65	158 / 70	167 / 75
Derating Coefficient (d)	1	1	1	.94	.88	.82	.75	.67	.58	.47

*environment around the terminal blocks inside the enclosure

SBLEC POWER TERMINALS FIXING ACCESSORY

SPECIFICATIONS

- Material: Thermoplastic



BULLETIN: ERI2

INDUSTRY STANDARDS

EAC File No. 0234267

FEATURES

- Attach Power Terminal Fixing Accessory to back of power terminals for direct panel mounting or DIN rail, end cap mounting
- Easily clips onto DIN rail or mounts to panel with screws
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

Catalog Number	A in./mm	D in./mm	H in./mm	W in./mm	Torque TQ in.-lb./Nm	Unit Weight (lb./kg)	Standard Package Qty.
SBLEC	2.75	.75	1.25	3.40	5.00	.02	1
	70	19	32	86	.57	.01	

TR FOUR POLE DISTRIBUTION BLOCK, 125 A

INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Easily clips onto DIN rail or mounts to panel with screws
- Equipped with a current input plug
- Bolts included for output connections
- Transparent protection cover
- Easy accessibility for wiring
- Ready to use out of the box, saving installation time and labor
- RoHS compliant
- Flammability Rating: UL 94V-0

SPECIFICATIONS

- Material: Copper, Glass Fiber Reinforced Polyamide, Plexiglas

BULLETIN: ERI2

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TR125A	4.61	117	4.96	126	5.91	150	1.51	.68	1

Electrical Data

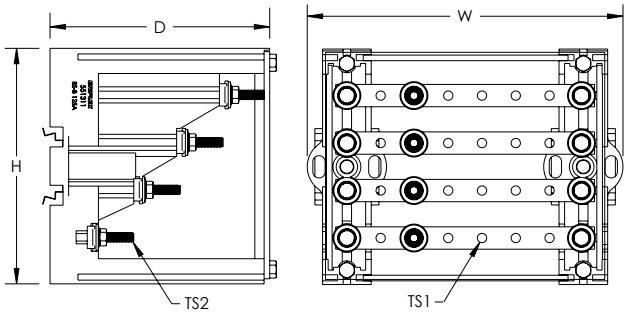
Max Working Voltage, IEC (Ui)	Peak Short Circuit Current (Ipk)	Short Term Withstand Current (Icw) 1s
1,000 V	40 kA	8.4 kA

Line and Load Connections and Wire Size

Line Side Number of Connections	Load Side Number of Connections	TS1	TS2
1	5	M5	M6

Thread Size 2 represents input plug.

Line side and load side number of connections are per pole.



TR FOUR POLE DISTRIBUTION BLOCK, 250 A

INDUSTRY STANDARDS

EAC; File No. 0234267
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Easily fixes onto asymmetric DIN rail or mounts with screws
- Bolts included for output connections
- Transparent protection cover
- Easy accessibility for wiring
- Ready to use out of the box, saving installation time and labor
- RoHS compliant
- Flammability Rating: UL 94V-0

SPECIFICATIONS

- Material: Copper, Glass Fiber Reinforced Polyamide, Plexiglas

BULLETIN: ERI2

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TR250A	2.68	68	5.91	150	9.06	230	2.87	1.30	1

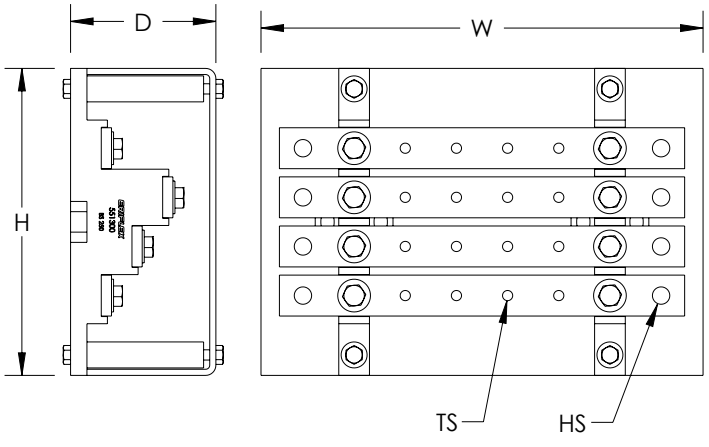
Electrical Data

Max Working Voltage, IEC (Ui)	Peak Short Circuit Current (Ipk)	Short Term Withstand Current (Icw) 1s
630 V	34 kA	17 kA

Line and Load Connections and Wire Size

Line Side Number of Connections	Load Side Number of Connections	Ø HS (in.)	Ø HS (mm)	TS
2	4	.31	8	M6

Line side and load side number of connections are per pole.



TRS FOUR POLE DISTRIBUTION BLOCK, 160 A

INDUSTRY STANDARDS

CE
EAC; File No. 0234267
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Easily fixes onto asymmetric DIN rail or mounts with screws
- Bolts included for output connections
- Transparent protection cover
- Easy accessibility for wiring
- Ready to use out of the box, saving installation time and labor
- RoHS compliant
- Flammability Rating: UL 94V-0

SPECIFICATIONS

- Material: Copper, Glass Fiber Reinforced Polyamide, Plexiglas

BULLETIN: ERI2

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty..
TRS160A	2.68	68	5.91	150	9.06	230	2.54	1.15	1

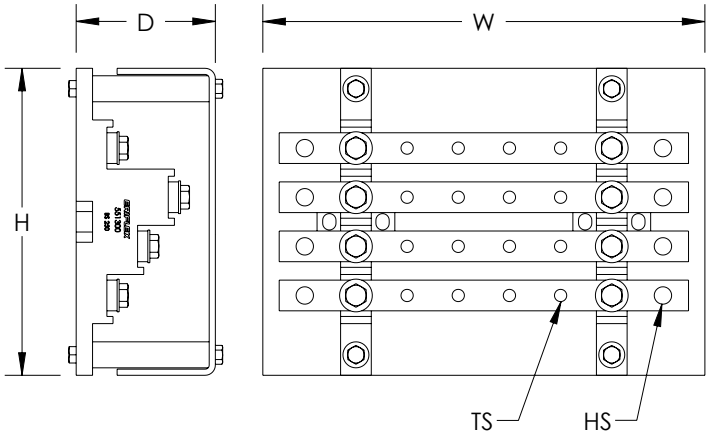
Electrical Data

Max Working Voltage, IEC (Ui)	Peak Short Circuit Current (Ipk)	Short Term Withstand Current (Icw) 1s
630 V	34 kA	13.2 kA

Line and Load Connections and Wire Size

Line Side Number of Connections	Load Side Number of Connections	Ø HS (in.)	Ø HS (mm)	TS
2	4	.31	8	M6

Line side and load side number of connections are per pole.



TRC FOUR POLE DISTRIBUTION BLOCK, 400 A

INDUSTRY STANDARDS

EAC; File No. 0234267
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Transparent protection cover
- Bolts included for output connections
- Easy accessibility for wiring
- Ready to use out of the box, saving installation time and labor
- RoHS compliant
- Flammability Rating: UL 94V-0

SPECIFICATIONS

- Material: Copper, Glass Fiber Reinforced Polyamide, Plexiglass

BULLETIN: ERI2

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TRC400A	1.97	50	13.31 – 15.35	338 - 390	10.24	260	11.42	290	5.84	2.65	1

Electrical Data

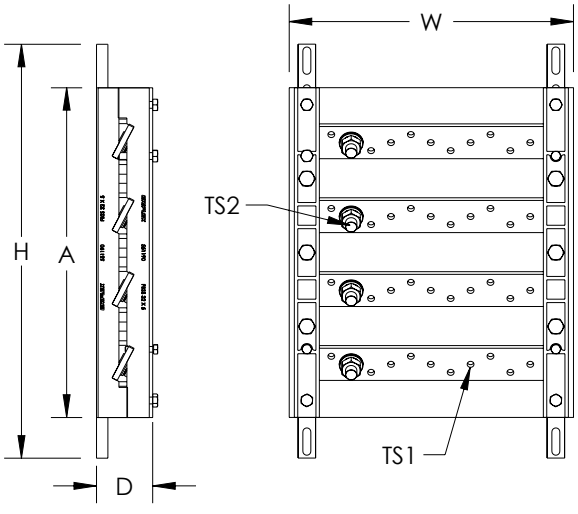
Max Working Voltage, IEC (Ui)	Peak Short Circuit Current (Ipk)	Short Term Withstand Current (Icw) 1s
1,000 V	118 kA	28 kA

Line and Load Connections and Wire Size

Line Side Number of Connections	Load Side Number of Connections	TS1	TS2
1	10	M6	M10

Thread Size 2 represents input plug.

Line side and load side number of connections are per pole.



TRC FOUR POLE DISTRIBUTION BLOCK, 630 A

INDUSTRY STANDARDS

EAC; File No. 0234267
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Transparent protection cover
- Bolts included for output connections
- Easy accessibility for wiring
- Ready to use out of the box, saving installation time and labor
- RoHS compliant
- Flammability Rating: UL 94V-0

SPECIFICATIONS

- Material: Copper, Glass Fiber Reinforced Polyamide, Plexiglass

BULLETIN: ERI2

Unit Dimensions

Catalog Number	D (in.)	D (mm)	H (in.)	H (mm)	W (in.)	W (mm)	A (in.)	A (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
TRC630A	2.36	60	13.31 – 15.35	338 - 390	13.39	340	11.42	290	10.58	4.80	1

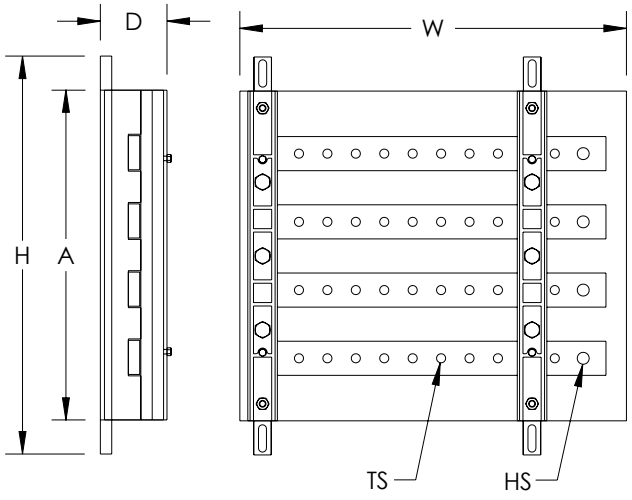
Electrical Data

Max Working Voltage, IEC (Ui)	Peak Short Circuit Current (Ipk)	Short Term Withstand Current (Icw) 1s
1,000 V	84 kA	52 kA

Line and Load Connections and Wire Size

Line Side Number of Connections	Load Side Number of Connections	Ø HS (in.)	Ø HS (mm)	TS
1	8	.39	10	M8

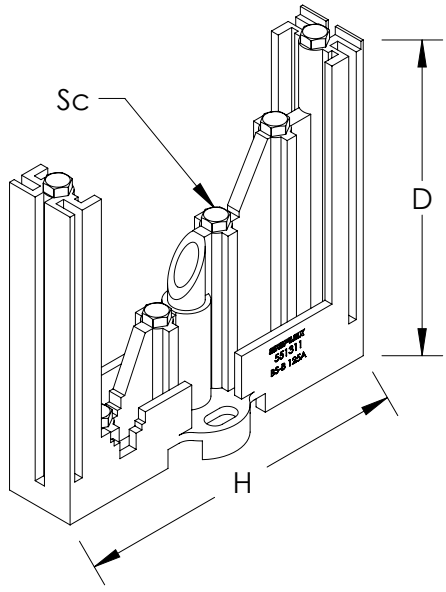
Line side and load side number of connections are per pole.



BS-125A FOUR POLE INSULATING SUPPORT

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Finish: Electrogalvanized
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 130 F (-40 to 55 C)
- Typical Application Current Rating: 125 – 160 A



INDUSTRY STANDARDS

CE
EAC; File No. 8546901000
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

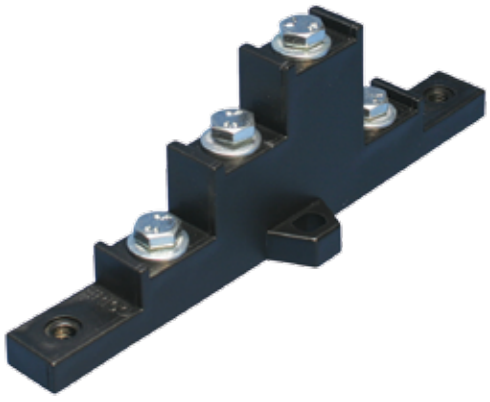
FEATURES

- Create custom four pole distribution blocks for an electrical distribution system
- Protection screen can be attached directly to the support
- Includes screws to mount threaded copper busbars
- Clips on to DIN rail using DR-CLIP or mounts with screws
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

BULLETIN: ERI4

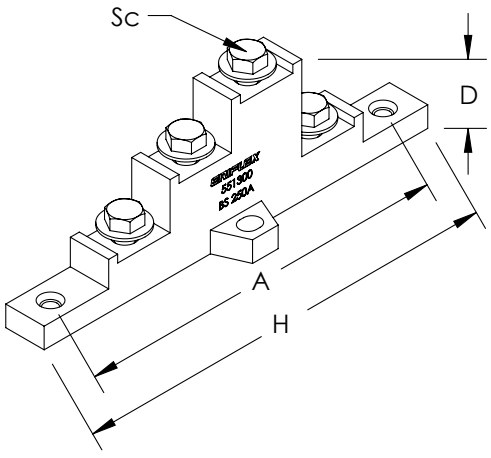
Catalog Number	Busbar Width in./mm	Busbar Thickness in./mm	D in./mm	H in./mm	Sc	Unit Weight (lb./kg)	Standard Package Qty.
BS125A	.47 - .59	.16 - .20	4.63	4.96	M5	.22	10
	12 - 15	4 - 5	118	126		.10	

BS-250A FOUR POLE INSULATING SUPPORT



SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Finish: Electrogalvanized
- Max Working Voltage, IEC (Ui): 630 VAC; 630 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Typical Application Current Rating: 160 – 250 A



INDUSTRY STANDARDS

CE
EAC; File No. 8546901000
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Create custom four pole distribution blocks for an electrical distribution system
- Mounts with screws
- Protection screen can be fixed using spacers
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

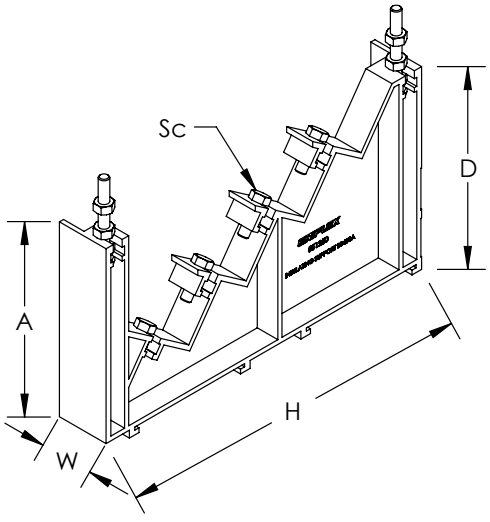
BULLETIN: ERI4

Catalog Number	Busbar Width in./mm	Busbar Thickness in./mm	D in./mm	H in./mm	A in./mm	Sc	Unit Weight (lb./kg)	Standard Package Qty.
BS250A	.59 - .79 15 - 20	.20 5	1.77 45	5.91 150	5.12 130	M6	.11 .05	10

BS-400A FOUR POLE INSULATING SUPPORT

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Finish: Electrogalvanized
- Max Working Voltage, IEC (Ui): 1,000 VAC; 1,500 VDC
- Working Temperature: -40 to 266 F (-40 to 130 C)
- Typical Application Current Rating: 160 – 630 A



INDUSTRY STANDARDS

CE
EAC; File No. 8546901000
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

BULLETIN: ERI4

FEATURES

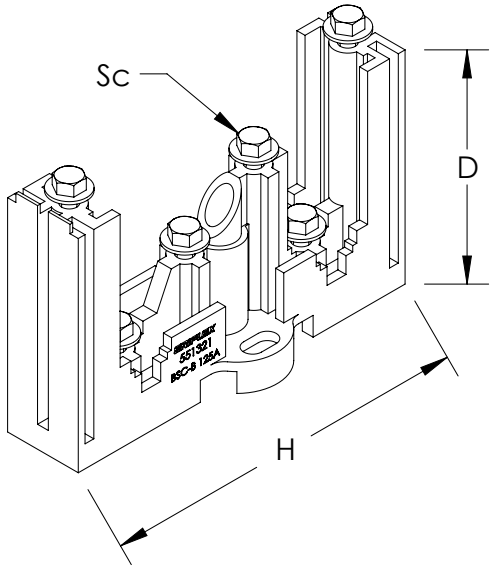
- Create custom four pole distribution blocks for an electrical distribution system
- Protection screen can be attached directly to the support
- Includes screws to mount threaded copper busbars
- Easily clips onto DIN rail or mounts to panel with screws
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

Catalog Number	Busbar Width in./mm	Busbar Thickness in./mm	D in./mm	H in./mm	W in./mm	A in./mm	Sc	Unit Weight (lb./kg)	Standard Package Qty.
BS400A	.59 - 1.26 15 - 32	.20 - .39 5 - 10	5.04 128	9.06 230	1.34 34	4.84 123	M6	.49 .22	2

BSC-125A FOUR POLE INSULATING SUPPORT

SPECIFICATIONS

- Material: Glass Fiber Reinforced Polyamide; Steel
- Finish: Electrogalvanized
- Max Working Voltage, IEC (Ui): 630 VAC; 630 VDC
- Working Temperature: -40 to 130 F (-40 to 55 C)
- Typical Application Current Rating: 125 – 160 A



BULLETIN: ERI4

INDUSTRY STANDARDS

CE
EAC; File No. 8546901000
Complies with IEC 60439.1; IEC 61439.1; IEC 60695-2-12 (Glow Wire Test 960 C)

FEATURES

- Create custom four pole distribution blocks for an electrical distribution system
- Protection screen can be attached directly to the support
- Includes screws to mount threaded copper busbars
- Easily clips onto DIN rail or mounts to panel with screws
- Halogen free
- RoHS compliant
- Flammability Rating: UL 94V-0

Catalog Number	Busbar Width in./mm	Busbar Thickness in./mm	D in./mm	H in./mm	Sc	Unit Weight (lb./kg)	Standard Package Qty.
BSC125A	.47 - .59	.16 - .20	2.99	4.72	M6	.22	10
	12 - 15	4 - 5	76	120		.10	

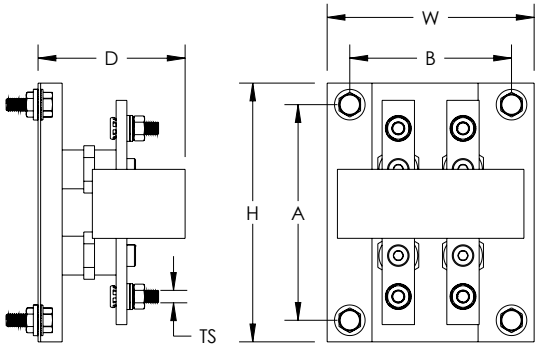
DISCONNECTABLE PEN SYSTEM

INDUSTRY STANDARDS

Complies With: IEC 60439.1, IEC 61439.1

FEATURES

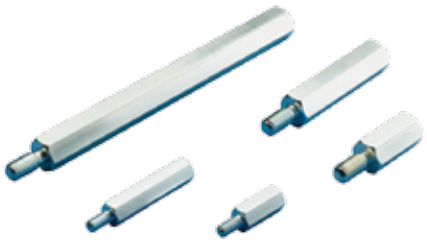
- Dedicated product allowing separation from PEN to PE+N
- Unique solution for TN-C/TN-S networks
- Safe disconnectable system
- Clear identification
- Prevents measurement errors
- Avoid reconnection errors
- Screen stickers included in 12 languages
- RoHS compliant



BULLETIN: ERI4

Catalog Number	Max Current Rating (A), IEC	Thread Size TS	Busbar Width in./mm	Busbar Thickness in./mm	D in./mm	H in./mm	W in./mm	A in./mm	B in./mm	Standard Package Qty.
PEND75	125	M6	.59 15	.20 5	2.69 68	4.72 120	3.78 96	3.94 100	2.95 75	1
PEND100	250	M8	.79 20	.20 5	2.69 68	6.69 170	5.04 128	3.94 100	4.43 112	1
PEND300	630	M10	1.18 30	.39 10	3.08 78	6.69 170	5.04 128	3.94 100	4.43 112	1

DMH METALLIC SPACERS



FEATURES

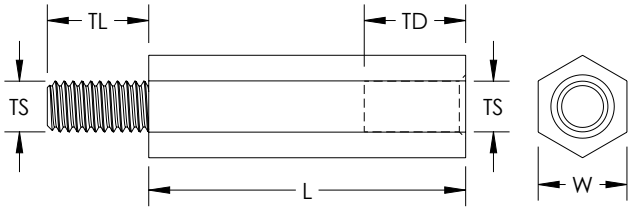
- To make higher plates, screens or profiles
- Male-female allowing stable mounting
- RoHS compliant

SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized



BULLETIN: ERI2

Catalog Number	Thread Size TS	Thread Length TL (in.)	Thread Length TL (mm)	Thread Depth TD (in.)	Thread Depth TD (mm)	L (in.)	L (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
DMHM4X10	M4	.31	8	.39	10	.39	10	.28	7	.007	.003	100
DMHM4X15	M4	.31	8	.39	10	.59	15	.28	7	.011	.005	100
DMHM4X20	M4	.31	8	.39	10	.79	20	.28	7	.015	.007	100
DMHM4X25	M4	.31	8	.39	10	.98	25	.28	7	.018	.008	50
DMHM4X30	M4	.31	8	.39	10	1.18	30	.28	7	.022	.010	50
DMHM4X35	M4	.31	8	.39	10	1.38	35	.28	7	.026	.012	50
DMHM4X40	M4	.31	8	.39	10	1.58	40	.28	7	.028	.012	50
DMHM4X50	M4	.31	8	.39	10	1.97	50	.28	7	.037	.017	50
DMHM4X60	M4	.31	8	.39	10	2.36	60	.28	7	.042	.019	25
DMHM5X15	M5	.39	10	.39	10	.59	15	.32	8	.013	.006	50
DMHM5X20	M5	.39	10	.39	10	.79	20	.32	8	.018	.008	50
DMHM5X25	M5	.39	10	.39	10	.98	25	.32	8	.022	.010	50
DMHM5X30	M5	.39	10	.39	10	1.18	30	.32	8	.026	.012	50
DMHM5X35	M5	.39	10	.39	10	1.38	35	.32	8	.031	.014	25
DMHM5X40	M5	.39	10	.39	10	1.58	40	.32	8	.035	.016	25
DMHM5X50	M5	.39	10	.39	10	1.97	50	.32	8	.049	.022	25
DMHM5X60	M5	.39	10	.39	10	2.36	60	.32	8	.060	.027	25
DMHM5X70	M5	.39	10	.39	10	2.76	70	.32	8	.064	.029	25
DMHM5X80	M5	.39	10	.39	10	3.15	80	.32	8	.073	.033	25
DMHM6X15	M6	.39	10	.39	10	.59	15	.32	8	.022	.010	50
DMHM6X20	M6	.47	12	.47	12	.79	20	.32	8	.026	.012	50
DMHM6X30	M6	.47	12	.47	12	1.18	30	.32	8	.040	.018	25
DMHM6X40	M6	.47	12	.47	12	1.58	40	.32	8	.055	.025	25
DMHM6X50	M6	.47	12	.47	12	1.97	50	.32	8	.071	.032	25
DMHM6X60	M6	.47	12	.47	12	2.36	60	.32	8	.084	.038	25
DMHM6X70	M6	.47	12	.47	12	2.76	70	.32	8	.095	.043	25
DMHM6X80	M6	.47	12	.47	12	3.15	80	.32	8	.115	.052	25
DMHM6X90	M6	.47	12	.47	12	3.54	90	.32	8	.128	.058	25
DMHM6X100	M6	.47	12	.47	12	3.94	100	.32	8	.141	.064	10

DH DISTANCE HOLDER AND SPACER

FEATURES

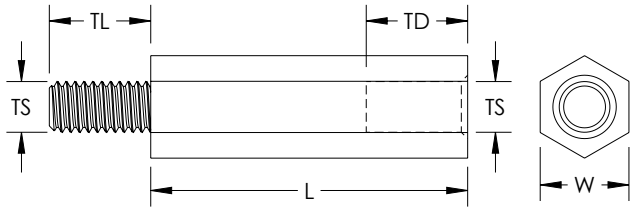
- To make higher plates, screens or profiles
- Male-female allowing stable mounting
- Electrotechnical applications
- RoHS compliant

SPECIFICATIONS

- Insulation Voltage: 1,000 V
- Temperature: 176 F (80 C) Maximum
- Material: Polystyrene, Steel

FINISH

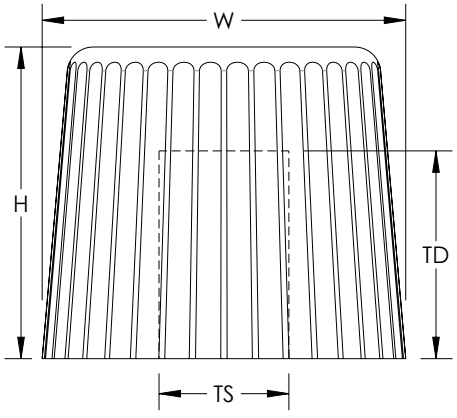
- Finish: Electrogalvanized



BULLETIN: ERI2

Catalog Number	Thread Size TS	Thread Length TL (in.)	Thread Length TL (mm)	Thread Depth TD (in.)	Thread Depth TD (mm)	L (in.)	L (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
DH15M5	M5	.28	7	.28	7	.59	15	.51	13	.009	.004	100
DH20M5	M5	.28	7	.28	7	.79	20	.51	13	.011	.005	100
DH30M5	M5	.28	7	.28	7	1.18	30	.51	13	.013	.006	100
DH45M5	M5	.28	7	.28	7	1.77	45	.51	13	.020	.009	100
DH55M5	M5	.28	7	.28	7	2.17	55	.51	13	.024	.011	100
DH70M5	M5	.28	7	.28	7	2.76	70	.51	13	.031	.014	100
DH85M5	M5	.28	7	.28	7	3.35	85	.51	13	.037	.017	100
DH120M5	M5	.28	7	.28	7	4.72	120	.51	13	.053	.024	100
DH15M6	M6	.28	7	.31	8	.59	15	.51	13	.009	.004	100
DH20M6	M6	.28	7	.31	8	.79	20	.51	13	.011	.005	100
DH30M6	M6	.28	7	.31	8	1.18	30	.51	13	.020	.009	100
DH45M6	M6	.28	7	.31	8	1.77	45	.51	13	.029	.013	100
DH70M6	M6	.28	7	.31	8	2.77	70	.51	13	.044	.020	100
DH120M6	M6	.28	7	.31	8	4.72	120	.51	13	.077	.035	100

CAPN CAP NUT



FEATURES
RoHS compliant

SPECIFICATIONS
- Material: Polystyrene or polystyrene and brass

BULLETIN: ERI2

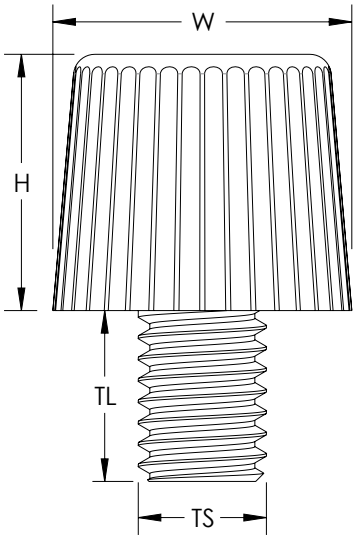
Material: Polystyrene

Catalog Number	Thread Size TS	Thread Depth TD (in.)	Thread Depth TD (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CAPCAPN5	M5	.31	8	.47	12	.55	14	.002	.001	100
CAPCAPN6	M6	.31	8	.47	12	.55	14	.002	.001	100

Material: Polystyrene, Brass

Catalog Number	Thread Size TS	Thread Depth TD (in.)	Thread Depth TD (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CAPCAPN15	M5	.31	8	.47	12	.55	14	.007	.003	100
CAPCAPN16	M6	.31	8	.47	12	.55	14	.007	.003	100

CAPB CAP NUT WITH THREADED STUD



FEATURES
RoHS compliant

SPECIFICATIONS
- Material: Polystyrene and steel

FINISH
Electrogalvanized

BULLETIN: ERI2

Catalog Number	Thread Size TS	Thread Length TL (in.)	Thread Length TL (mm)	H (in.)	H (mm)	W (in.)	W (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
CAPCAPB5	M5	.31	8	.47	12	.55	14	.009	.004	100
CAPCAPB6	M6	.31	8	.47	12	.55	14	.009	.004	100

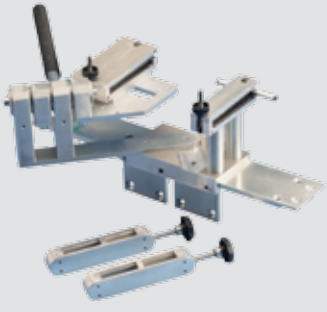
PENTAIR

Hoffman

CHAPTER 4
HYDRAULIC AND MANUAL TOOLS

HYDRAULIC FLEXIBLE/NON-FLEXIBLE BUSBAR WORK CENTER

- Mobile workbench for cutting, bending and punching copper busbars or ERIFLEX FLEXIBAR
- Includes hydraulic punch, hydraulic busbar cutter, hydraulic ERIFLEX FLEXIBAR shearing tool, hydraulic bender with programmable angle controller, hydraulic pump with foot controller, calibrated gauge and stop, and two ejection stops
- Large stainless steel work surface with collapsible extensions support large copper busbars or ERIFLEX FLEXIBAR



MFF ERIFLEX FLEXIBAR FOLDING TOOL STARTER KIT

- Kit includes folding tool, fixed vice, rail and clamps
- Folds all sizes of ERIFLEX FLEXIBAR without damaging the insulation
- Kit allows for L-shape and Z-shape folds
- Significantly reduce ERIFLEX FLEXIBAR scrap
- Limits heavy ERIFLEX FLEXIBAR handling
- Quick and easy setup
- Tool can be easily transported to the job site or remain fixed in a workshop

CHAPTER CONTENTS

HYDRAULIC TOOLS

Hydraulic Flexible/Non-Flexible Busbar Work Center Overview . . . 188
Hydraulic Flexible/Non-Flexible Busbar Work Center. . . . 189
Hydraulic Pump and Foot Controller . . . 190
Hydraulic Flexible/Non-Flexible Busbar Bender . . . 190
Hydraulic Busbar Cutter . . . 191
Hydraulic Busbar Cutter Replacement Blade . . . 191
Hydraulic Oil . . . 192
Hydraulic ERIFLEX FLEXIBAR Shearing Tool . . . 192
Hydraulic ERIFLEX FLEXIBAR Shearing Tool Replacement Blade . . . 192
HFST-B ERIFLEX FLEXIBAR Shearing Tool Guide . . . 193
Hydraulic Cutter Support Extension With Ruler . . . 193

HYDRAULIC PUNCHER ACCESSORIES

Hydraulic Flexible/Non-Flexible Busbar Puncher . . . 194
Round Hole Punch. . . . 195
Round Hole Die . . . 195
Oval Hole Punch . . . 196
Oval Hole Die . . . 196
Ejection Stop Kit. . . . 196
Punch Holder . . . 197
Die Holder. . . . 197
Braid Crimping Tool Kit . . . 197

BD CRIMP AND DRILL TOOL

BD Crimp and Drill Tool. . . . 198

ERIFLEX FLEXIBAR FOLDING TOOLS

MFF ERIFLEX FLEXIBAR Folding Tool Starter Kit. . . . 199
MFFU ERIFLEX FLEXIBAR Folding Tool U-Shape . . . 199
MFFV ERIFLEX FLEXIBAR Folding Tool Fixed Vice . . . 200
MFFR ERIFLEX FLEXIBAR Folding Tool Rail. . . . 200
MFFC ERIFLEX FLEXIBAR Folding Tool Clamp . . . 200

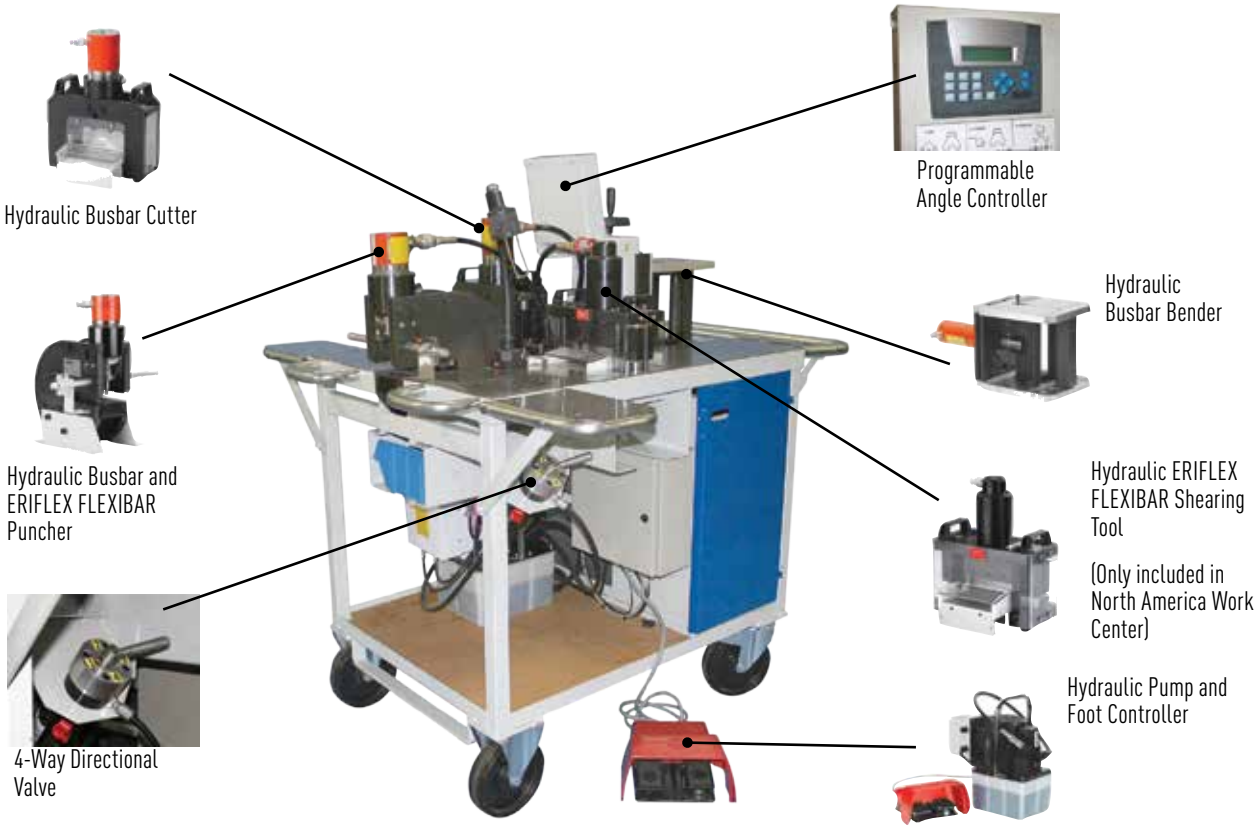
MANUAL TOOLS

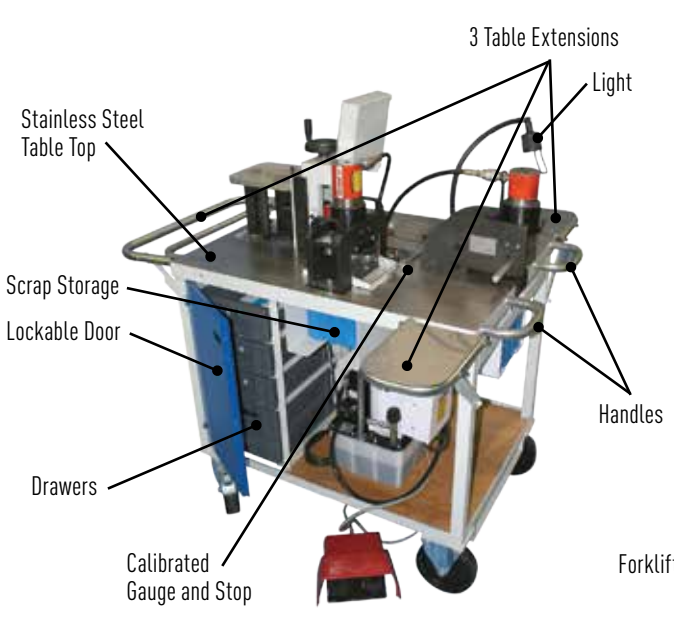
FLEXIDRILL Drill Guide . . . 201
HFBT ERIFLEX FLEXIBAR Bending Tool . . . 201
SOK ERIFLEX FLEXIBAR Stripping Knife . . . 201
MDRCPT-2 Manual DIN Rail Cutting and Punching Tool . . . 202
MFBT-2 ERIFLEX FLEXIBAR Manual Bending Tool . . . 202
MFSHT-2 ERIFLEX FLEXIBAR Manual Shearing Tool . . . 203
Replacement Blades for MFSHT-2 ERIFLEX FLEXIBAR Manual Shearing Tool . . . 203
MFC ERIFLEX FLEXIBAR Shearing Tool Replacement Blade . . . 203
MFTT-2 ERIFLEX FLEXIBAR Manual Twisting Tool. . . . 204
MFTK Manual ERIFLEX FLEXIBAR Tool Kit. . . . 204
ERIFLEX FLEXIBAR Small Bending and Folding Tool . . . 204
MFST-2 ERIFLEX FLEXIBAR Stripping Tool . . . 205
MHYFSHT Manual Hydraulic ERIFLEX FLEXIBAR Shearing Tool . . . 205
MFST-2 ERIFLEX FLEXIBAR Stripping Tool Blade Set . . . 205

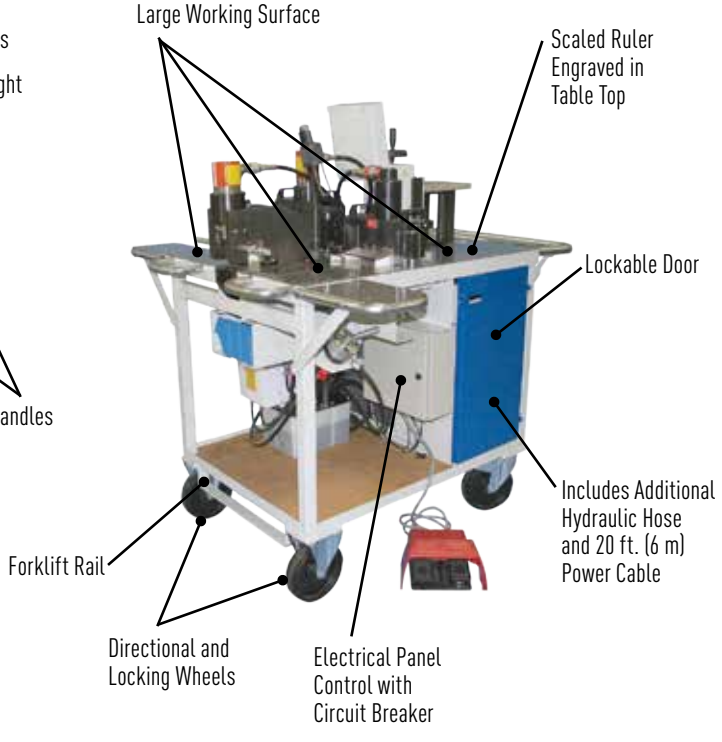
MFTK MANUAL ERIFLEX FLEXIBAR TOOL KIT

- Complete set of tools to cut, strip, bend and twist ERIFLEX FLEXIBAR, including: MFSHT-2 ERIFLEX FLEXIBAR Manual Shearing Tool, MFBT-2 ERIFLEX FLEXIBAR Manual Bending Tool, MFST-2 ERIFLEX FLEXIBAR Stripping Tool, MFTT-2 ERIFLEX FLEXIBAR Manual Twisting Tool, and SOK ERIFLEX FLEXIBAR Stripping Knife
- Includes illustrated instructions for each tool

HYDRAULIC FLEXIBLE/NON-FLEXIBLE BUSBAR WORK CENTER OVERVIEW







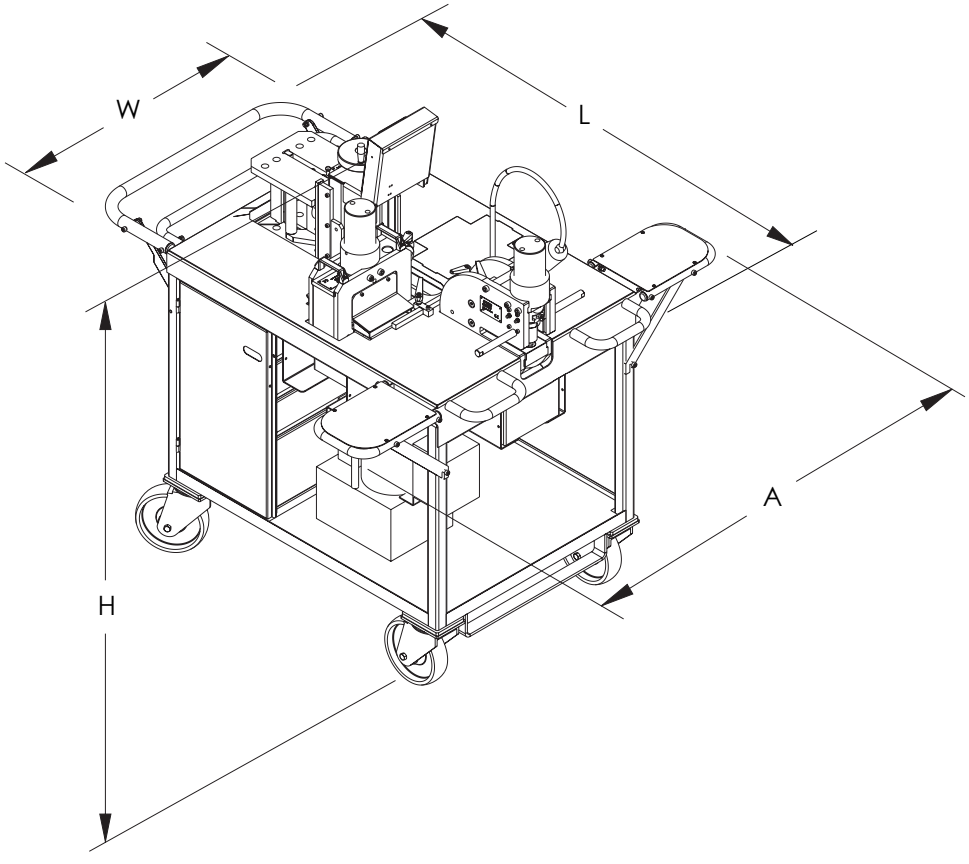
HYDRAULIC FLEXIBLE/NON-FLEXIBLE BUSBAR WORK CENTER

FEATURES

- Mobile workbench for cutting, bending and punching copper busbars or ERIFLEX FLEXIBAR
- Includes hydraulic punch, hydraulic busbar cutter, hydraulic ERIFLEX FLEXIBAR shearing tool, hydraulic bender with programmable angle controller, hydraulic pump with foot controller, calibrated gauge and stop and two ejection stops
- Large stainless steel work surface with collapsible extensions support large copper busbars or ERIFLEX FLEXIBAR
- Built-in storage cabinet with lockable door and four drawers for storing accessories
- Four-way directional valve makes it possible to quickly switch between tools without disconnecting and reconnecting tools
- Includes an additional hydraulic hose and 19.69 ft. (6 m) power cord to connect an additional hydraulic tool
- Scrap storage bins under work surface
- Forklift rail, locking directional wheels and built-in handles provide easy mobility
- Protected by an electrical panel control with circuit breaker
- RoHS compliant

BULLETIN: ERI5

Catalog Number	H in./mm	L in./mm	W in./mm	A in./mm	Power Supply Voltage (V)	Unit Weight (lb./kg)
HYDRWC115V	57.68	57.68	30.32	54.33	115	857
	1465	1465	770	1380		389



HYDRAULIC PUMP AND FOOT CONTROLLER

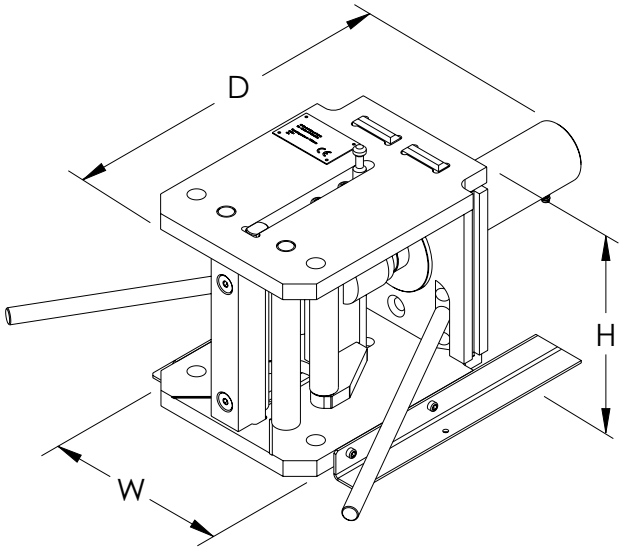
FEATURES

- Directly connects to a single hydraulic tool for operation or can be used as a spare for the Hydraulic ERIFLEX FLEXIBAR and Busbar
- Work Center
- Pump includes hose with quick-release coupler
- Foot controller includes two pedals with off, on and safety off positions
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Voltage (V)	Power (W)	Operating Pressure (psi)	Operating Pressure (bar)	Oil Flow (oz/min)	Oil Flow (L/min)	Tank Capacity (Qt.)	Tank Capacity (L)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
HYDRPMP115V	115	370	10,000	700	7.00	.2	2 - 4	1.89 - 3.79	97	44	1

HYDRAULIC FLEXIBLE/NON-FLEXIBLE BUSBAR BENDER



INDUSTRY STANDARDS

EAC; File No. 8462399100

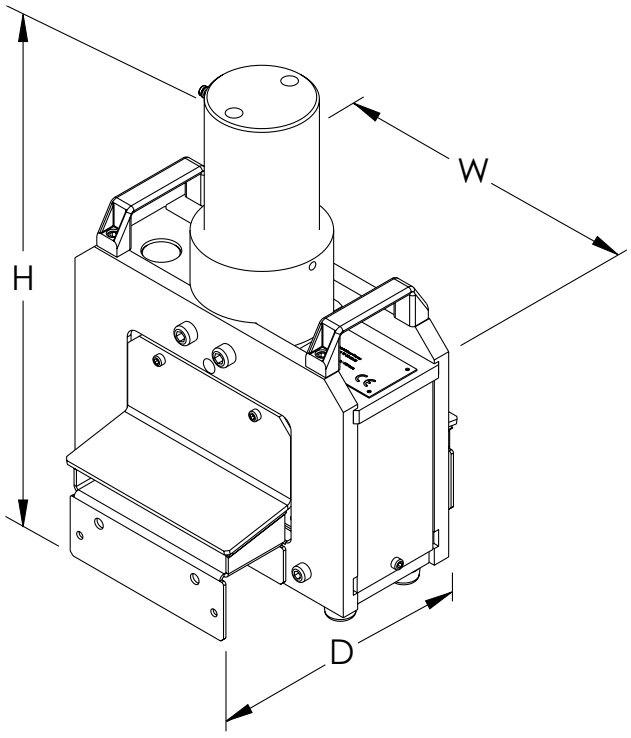
FEATURES

- Works with copper or aluminum busbar and ERIFLEX FLEXIBAR
- Multi-function tool creates "V" or "Z" bends and straightens busbar for corrections
- Removable top plate allows for multiple bends on a busbar
- Bottom plate is etched to indicate a 90° bend
- Includes steel bar supports for bending busbar when tool is not fixed to the Hydraulic ERIFLEX FLEXIBAR and Busbar Work Center
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Busbar Width in./mm	Busbar Thickness in./mm	Bending Angle	Bending Radius in./mm	D in./mm	H in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
HYDRBBBEN	8.00	.50	100°	.50	19.69	10.28	9.06	112	1
	200	13		13	500	261	230	51	

HYDRAULIC BUSBAR CUTTER



INDUSTRY STANDARDS
EAC; File No. 8462399100

FEATURES
- Works with copper or aluminum busbar
- Produces a flat and clean cut edge
- Clear plastic shields allow for visual inspection of cutting position
- Strong mechanical assembly
- Replacement blade available
- Easy access for blade maintenance
- RoHS compliant
- Do not use to cut ERIFLEX FLEXIBAR

BULLETIN: ERI5

Catalog Number	Busbar Width in./mm	Busbar Thickness in./mm	D in./mm	H in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
HYDRBBCUT	5.00 127	.50 13	9.45 240	15.55 395	11.26 286	90 41	1

4

HYDRAULIC BUSBAR CUTTER REPLACEMENT BLADE

INDUSTRY STANDARDS
EAC; File No. 8462399100

FEATURES
- Replacement blade for Hydraulic Busbar Cutter
- RoHS compliant

SPECIFICATIONS
- Material: Steel

BULLETIN: ERI5

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
HYDRBBCUTBL	2.20 1	1

HYDRAULIC OIL

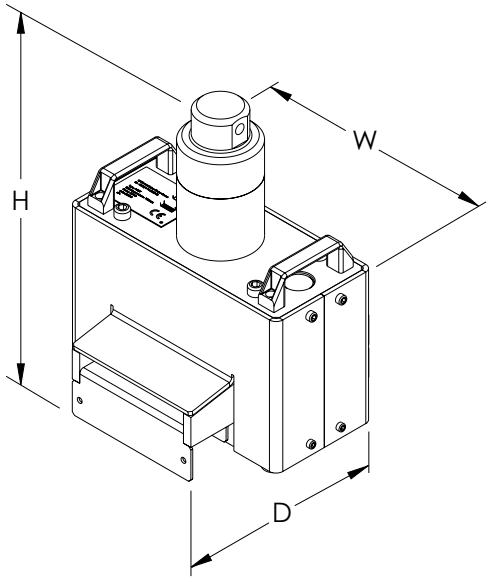
INDUSTRY STANDARDS
EAC; File No. 8462399100

FEATURES
- For use with the hydraulic pump of the Hydraulic ERIFLEX FLEXIBAR and Busbar Work Center
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Grade	Flash Point (°F/°C)	Fire Point (°F/°C)	Pour Point (°F/°C)	Volume (Qt./L)	Standard Package Qty.
HYDRAULICOIL	215	400 204	430 221	-30 -34	1 .95	1

HYDRAULIC ERIFLEX FLEXIBAR SHEARING TOOL



INDUSTRY STANDARDS
EAC; File No. 8462399100

FEATURES
- Cuts ERIFLEX FLEXIBAR quickly and accurately without burrs or deformation
- Cuts through the insulation without damaging it
- Do not use to cut solid busbar
- Clear plastic shields allow for visual inspection of cutting position
- Strong mechanical assembly
- Replacement blade available
- RoHS compliant

BULLETIN: ERI5

Catalog Number	D in./mm	H in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
HYDRFLEXST	9.45 240	13.43 341	11.02 280	75 34	1

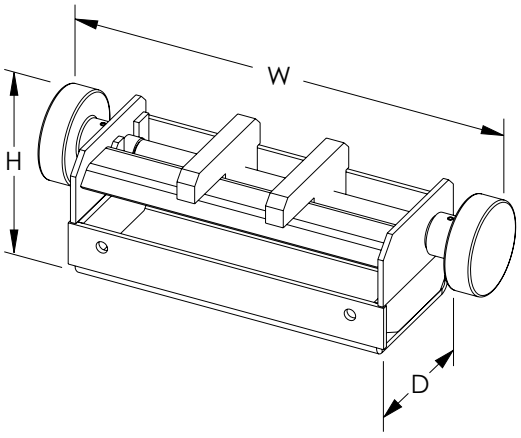
HYDRAULIC ERIFLEX FLEXIBAR SHEARING TOOL REPLACEMENT BLADE

FEATURES
- Replacement blade for Hydraulic ERIFLEX FLEXIBAR Shearing Tool
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Unit Weight (lb./kg)	Standard Package Qty.
HYDRFLEXSTBL	2.20 1.0	1

HFST-B ERIFLEX FLEXIBAR SHEARING TOOL GUIDE



INDUSTRY STANDARDS

EAC; File No. 8462399100

FEATURES

- Attaches to the Hydraulic ERIFLEX FLEXIBAR Shearing Tool
- Use to align ERIFLEX FLEXIBAR with the center of the shearing tool blade
- Increases the life of the shearing tool blade
- Works with all sizes of ERIFLEX FLEXIBAR
- RoHS compliant

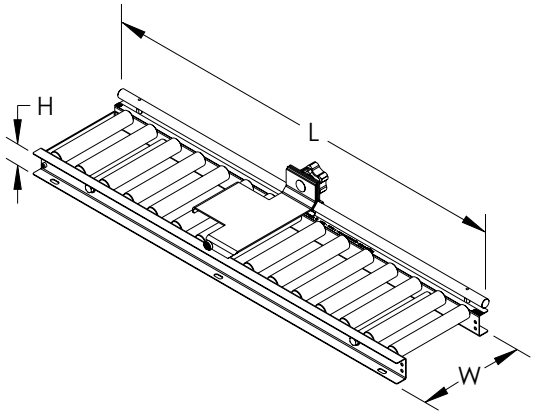
SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	D in./mm	H in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
HFSTB	3.00 76	2.90 74	9.60 244	2.20 1.0	1

HYDRAULIC CUTTER SUPPORT EXTENSION WITH RULER



INDUSTRY STANDARDS

EAC; File No. 8462399100

FEATURES

- Attaches to the Hydraulic ERIFLEX FLEXIBAR Shearing Tool or Hydraulic Busbar Cutter
- Provides support for ERIFLEX FLEXIBAR or busbar while using hydraulic cutting tools
- Includes calibrated end stop
- RoHS compliant

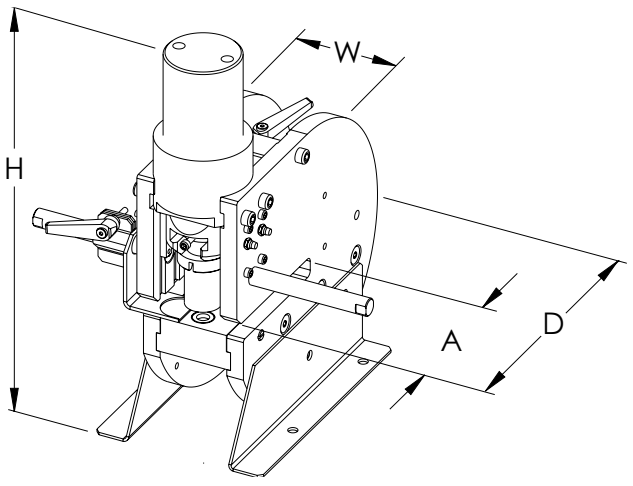
BULLETIN: ERI5

Catalog Number	H in./mm	L in./mm	W in./mm	Unit Weight (lb./kg)	Standard Package Qty.
HFSTR	5.04 128	39.37 1000	11.22 285	22 9.98	1

HYDRAULIC FLEXIBLE/NON-FLEXIBLE BUSBAR PUNCHER

FEATURES

- Works with copper or aluminum busbar and ERIFLEX FLEXIBAR
- Punches flat and clean hole edges
- Punch pip to adjust the hole position
- Quick setup with interchangeable punch and die system
- Large range of round and oval punches and dies available
- Can be tilted at a 45° angle for easier punching of formed busbar
- Calibrated side and depth gauge and stop
- Strong mechanical assembly
- RoHS compliant
- Operating Pressure: 10,000 psi (700 bar)



INDUSTRY STANDARDS

EAC; File No. 8462399100

BULLETIN: ERI5

Catalog Number	Busbar Thickness in./mm	D in./mm	H in./mm	W in./mm	A in./mm	Unit Weight (lb./kg)	Standard Package Qty.
HYDRBBPUN	.50	12.00	18.50	4.72	5.12	119	1
	13	305	470	120	130	54	

ROUND HOLE PUNCH

FEATURES

- For use with Hydraulic ERIFLEX FLEXIBAR and Busbar Puncher combined with die and ejection stop to punch holes in busbar or ERIFLEX FLEXIBAR
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Punch Size	Unit Weight (lb.)	Unit Weight (kg)	Certifications	Standard Package Qty.
PUNCH65	6.5 mm	.29	.13	EAC; File No. 8462399100	1
PUNCH9	9.0 mm	.31	.14	EAC; File No. 8462399100	1
PUNCH11	11.0 mm	.31	.14	EAC; File No. 8462399100	1
PUNCH14	14.0 mm	.35	.16	EAC; File No. 8462399100	1
PUNCH18	18.0 mm	.53	.24	EAC; File No. 8462399100	1
PUNCH20	20.0 mm	.55	.25	EAC; File No. 8462399100	1
PCH516BLT14	5/16 in.	.29	.27	–	1
PCH38BLT516	3/8 in.	.31	.14	–	1
PCH1732BLT716	17/32 in.	.35	.16	–	1
PCH916BLT12	9/16 in.	.35	.16	–	1

ROUND HOLE DIE

FEATURES

- For use with Hydraulic ERIFLEX FLEXIBAR and Busbar Puncher combined with punch and ejection stop to punch holes in busbar or ERIFLEX FLEXIBAR
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Punch Size	Unit Weight (lb.)	Unit Weight (kg)	Certifications	Standard Package Qty.
DIE65	6.5 mm	.42	.19	EAC; File No. 8462399100	1
DIE9	9.0 mm	.40	.18	EAC; File No. 8462399100	1
DIE11	11.0 mm	.37	.17	EAC; File No. 8462399100	1
DIE14	14.0 mm	.35	.16	EAC; File No. 8462399100	1
DIE18	18.0 mm	.29	.13	EAC; File No. 8462399100	1
DIE20	20.0 mm	.24	.11	EAC; File No. 8462399100	1
DIE516BLT14	5/16 in.	.42	.19	–	1
DIE38BLT516	3/8 in.	.40	.18	–	1
DIE1732BLT716	17/32 in.	.35	.16	–	1
DIE916BLT12	9/16 in.	.35	.16	–	1

OVAL HOLE PUNCH

INDUSTRY STANDARDS

EAC; File No. 8462399100

FEATURES

- For use with Hydraulic ERIFLEX FLEXIBAR and Busbar Puncher combined with die and ejection stop to punch holes in busbar or ERIFLEX FLEXIBAR
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Punch Size	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
PUNCH65X13	6.5 x 13 mm	.31	.14	1
PUNCH9X18	9 x 18 mm	.49	.22	1
PUNCH11X20	11 x 20 mm	.53	.24	1
PUNCH14X20	14 x 20 mm	.53	.24	1

OVAL HOLE DIE

INDUSTRY STANDARDS

EAC; File No. 8462399100

FEATURES

- For use with Hydraulic ERIFLEX FLEXIBAR and Busbar Puncher combined with punch and ejection stop to punch holes in busbar or ERIFLEX FLEXIBAR
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Punch Size	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
DIE65X13	6.5 x 13 mm	.33	.15	1
DIE9X18	9 x 18 mm	.26	.12	1
DIE11X20	11 x 20 mm	.22	.10	1
DIE14X20	14 x 20 mm	.22	.10	1

4

EJECTION STOP KIT

- Holds ERIFLEX FLEXIBAR laminates in place while punch is raised
- Pressure plates notched to apply pressure to laminates without damaging the insulation
- Punch tip remains visible when kit is attached to puncher
- RoHS compliant

BULLETIN: ERI5

Replacement Ejection Stop

Catalog Number	Punch Size	Material	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
EJECSTOP614S	6.5 mm, 9.0 mm, 11.0 mm, 14.0 mm 5/16 in., 3/8 in., 17/32 in., 9/16 in.	Elastomere	.15	.07	1
EJECSTOP1820S	18.0 mm, 20.0 mm	Elastomere	.13	.06	1

Ejection Stop with Pressure Plates and Washer

Catalog Number	Punch Size	Material	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
EJECSTOP614L	6.5 mm, 9.0 mm, 11.0 mm, 14.0 mm 5/16 in., 3/8 in., 17/32 in., 9/16 in.	Elastomere, Steel	1.21	.55	1

Ejection Stop with Pressure Plates

Catalog Number	Punch Size	Material	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
EJECSTOP1820L	18.0 mm, 20.0 mm	Elastomere, Steel	.62	.28	1

PUNCH HOLDER

INDUSTRY STANDARDS

EAC; File No. 8462399100

FEATURES

- Allows for fast and simple changes between two punch sizes when used with Hydraulic ERIFLEX FLEXIBAR and Busbar Puncher and included punch holder
- Quick and easy setup without tools
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Punch Size	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
PCHHD691114	6.5 mm, 9.0 mm, 11.0 mm, 14.0 mm 5/16 in., 3/8 in., 17/32 in.	1.21	.55	1
PCHHD1820	18.0 mm, 20.0 mm, 9/16 in.	1.06	.48	1

DIE HOLDER

FEATURES

- Allows for fast and simple changes between two die sizes when used with Hydraulic ERIFLEX FLEXIBAR and Busbar Puncher and included die holder
- Quick and easy setup without tools
- Works with all die sizes
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
DIEHOLDER	3.53	1.60	1

BRAID CRIMPING TOOL KIT

INDUSTRY STANDARDS

EAC; File No. 8462399100

FEATURES

- Crimps PB lugs on braids using the Hydraulic ERIFLEX FLEXIBAR and Busbar Puncher
- Crimps braids and lugs flat and to a consistent thickness
- Kit includes one punch and two dies to accommodate all PB lug sizes
- Quick and easy setup without tools
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
HTC34	4.09	1.86	1

BD CRIMP AND DRILL TOOL

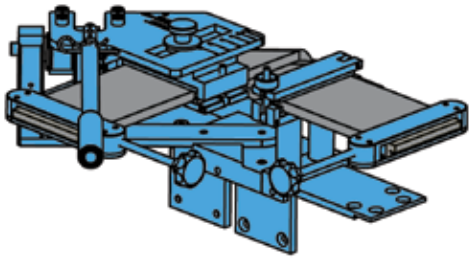
FEATURES

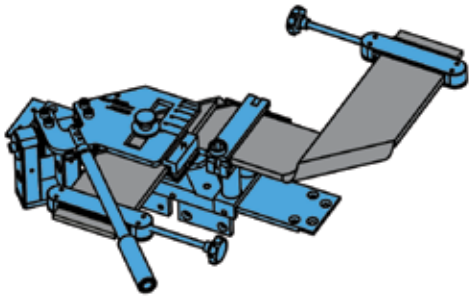
- For crimping and drilling of braid terminals
- Use with FRCB Flat Braid in Coil, Plain Copper and FTCB Flat Braid in Coil, Tinned Copper
- Includes guide and drill bit

BULLETIN: ERI5

Catalog Number	Cross Section kcmil	Cross Section mm^2	Drill Bit Diameter (in./mm)	Screw Diameter	Unit Weight (lb./kg)	Standard Package Qty.
BD16	31.57	16	.25 6.5	M6	1.44 .65	1
BD168	31.57	16	.34 8.5	M8	1.44 .65	1
BD25	49.30	25	.43 11.0	M10	1.49 .68	1
BD50	98.68	50	.50 12.5	M12	1.57 .71	1

MFF ERIFLEX FLEXIBAR FOLDING TOOL STARTER KIT





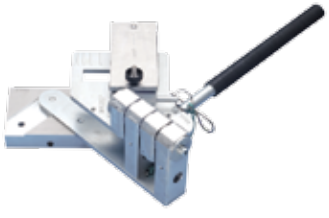
FEATURES

- Kit includes folding tool, fixed vice, rail and clamps
- Folds all sizes of ERIFLEX FLEXIBAR without damaging the insulation
- Kit allows for L-shape and Z-shape folds
- Additional folding tool components available for making U-shape folds and folding long pieces of ERIFLEX FLEXIBAR
- Easy to reproduce many shapes and sizes
- Significantly reduce ERIFLEX FLEXIBAR scrap
- Limits heavy ERIFLEX FLEXIBAR handling
- Quick and easy setup
- Tool can be easily transported to the job site or remain fixed in a workshop
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Height in./mm	Length in./mm	Width in./mm	Unit Weight (lb./kg)	Standard Package Qty.
MFF	12.00 305	23.62 600	12.00 305	44 20	1

MFFU ERIFLEX FLEXIBAR FOLDING TOOL U-SHAPE



FEATURES

- For use with folding tool starter kit to create U-shape folds
- Intended for use with ERIFLEX FLEXIBAR
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Height in./mm	Length in./mm	Width in./mm	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
MFFU	8.07 205	13.98 355	12.00 304	19.80	9	1

MFFV ERIFLEX FLEXIBAR FOLDING TOOL FIXED VICE

FEATURES

- Attaches to folding tool rail to provide support for long ERIFLEX FLEXIBAR
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Height (in.)	Height (mm)	Length (in.)	Length (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
MFFV	8.07	205	6.69	170	4.92	125	4.80	2	1

MFFR ERIFLEX FLEXIBAR FOLDING TOOL RAIL

FEATURES

- Use in conjunction with starter kit, folding tool and vice to fold long ERIFLEX FLEXIBAR
- Support feet are adjustable for mounting to a workbench or in a vice
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Height (in.)	Height (mm)	Length (in.)	Length (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
MFFR	4.72	120	23.62	600	3.94	100	14.10	6.40	1

MFFC ERIFLEX FLEXIBAR FOLDING TOOL CLAMP

FEATURES

- Prevents ERIFLEX FLEXIBAR laminates from sliding during the folding process
- Use as a guide when stripping insulation
- Intended for use with ERIFLEX FLEXIBAR
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Conductor Width (in.)	Conductor Width (mm)	Height (in.)	Height (mm)	Length (in.)	Length (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
MFFC63	.79 – 2.48	20 - 63	1.97	50	9.84	250	1.97	50	1.00	.45	1
MFFC120	.79 – 4.72	20 - 120	1.97	50	9.84	250	1.97	50	1.20	.54	1

FLEXIDRILL DRILL GUIDE

FEATURES

- Guide for drilling holes into ERIFLEX FLEXIBAR, PBC Braided Power Shunts and PPS Presswelded Power Shunts
- Includes dies for multiple diameters
- Adjustable guides allow for multiple hole center to hole center distances
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Die Hole Size	Depth (in.)	Depth (mm)	Height (in.)	Height (mm)	Width (in.)	Width (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
FLEXIDRILLRIMP	5/16 in., 3/8 in., 17/32 in., 9/16 in.	11.81	300	5.91	150	9.84	250	20.94	9.5	1

Do not use with ERIFLEX FLEXIBAR SUMMUM

HFBT ERIFLEX FLEXIBAR BENDING TOOL

FEATURES

- Allows the user to bend ERIFLEX FLEXIBAR into custom shapes for an efficient installation
- Easy-to-use tool bends all sizes of ERIFLEX FLEXIBAR quickly without damage to the insulation
- Portable tool can be used on the jobsite or attached to a workbench
- Includes tool box
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Bending Radius in./mm	Bending Angle	Depth in./mm	Height in./mm	Width in./mm	Unit Weight (lb./kg)	Standard Package Qty.
HFBT	.39 10	180° Max	4.72 120	8.46 215	13.58 345	15.40 7	1

SOK ERIFLEX FLEXIBAR STRIPPING KNIFE

FEATURES

- Accurately cuts ERIFLEX FLEXIBAR insulation
- Blade protection
- Ergonomic shockproof resin handle
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Product	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SOK	Stripping Knife	.02	.009	1
SOKB	Replacement Blade	.04	.018	1

MDRCPT-2 MANUAL DIN RAIL CUTTING AND PUNCHING TOOL

FEATURES

- Punches slots and cuts DIN rail without burrs or deformation
- Punches horizontal and vertical slots
- Works with five different types of DIN rail and M6 threaded rod
- Includes ruler, guide and end stops
- RoHS compliant

SPECIFICATIONS

- Material: Aluminum, Steel

BULLETIN: ERI5

Catalog Number	Slot Size in./mm	Depth in./mm	Height in./mm	Length in./mm	Unit Weight (lb./kg)	Standard Package Qty.
MDRCPT2	.26 x .37	6.50	7.87	3.94	28.66	1
	6.6 x 9.5	165	200	100	13	

Horizontal slots must be punched a minimum of .315 (8 mm) from the edge of the DIN rail. Vertical slots must be punched a minimum of .472 (12 mm) from the edge of the DIN rail.

MFBT-2 ERIFLEX FLEXIBAR MANUAL BENDING TOOL

FEATURES

- Allows the user to bend ERIFLEX FLEXIBAR into custom shapes for an efficient installation
- Easy-to-use tool bends all sizes of ERIFLEX FLEXIBAR quickly without damage to the insulation
- Long handle to apply force during ERIFLEX FLEXIBAR bending up to 10x120x1/12x100x1
- Two bending radiuses: .16 and .32 (4 mm and 8 mm)
- Allows for adjustment of the bending angle for repetitive bending
- Robust blue aluminum base with three fixing points
- Adjustable length setting for ERIFLEX FLEXIBAR
- Quick ERIFLEX FLEXIBAR locking system with no tools required
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Conductor Width in./mm	Bending Radius in./mm	Bending Angle	Depth in./mm	Height in./mm	Width in./mm	Unit Weight (lb./kg)	Standard Package Qty.
MFBT2	4.72	.16, .32	120° Max	16.30	9.50	12.60	15.40	1
	120	4, 8		414	241	320	7	

MFSHT-2 ERIFLEX FLEXIBAR MANUAL SHEARING TOOL

FEATURES

- Cuts ERIFLEX FLEXIBAR quickly and accurately without burrs or deformation
- Cuts through the insulation without damaging it
- Maximum ERIFLEX FLEXIBAR shearing 5x32x1
- Adjustable abutment for identical and repetitive cuttings
- Abutment and indicator allow for easy cutting of 45° chamfers
- Elastomer edge near the blade helps to prevent jamming from shavings
- Replacement blade available
- RoHS compliant

SPECIFICATIONS

- Material: Aluminum, Steel

BULLETIN: ERI5

Catalog Number	Conductor Thickness in./mm	Conductor Width in./mm	Depth in./mm	Height in./mm	Width in./mm	Unit Weight (lb./kg)	Standard Package Qty.
MFSHT2	.20 5	1.25 32	7.87 200	29.52 750	6.30 160	13.22 6	1

Tool must be installed on a table.

Do not use to cut solid busbar.

REPLACEMENT BLADES FOR MFSHT-2 ERIFLEX FLEXIBAR MANUAL SHEARING TOOL

FEATURES

- Replacement blades for MFSHT-2 (559146) ERIFLEX FLEXIBAR Manual Shearing Tool
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBMFSHT2	1.10	.50	1

MFC ERIFLEX FLEXIBAR SHEARING TOOL REPLACEMENT BLADE

FEATURES

- Replacement blade for legacy MFC ERIFLEX FLEXIBAR Shearing Tool

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
MFCB	1.10	.50	1

MFTT-2 ERIFLEX FLEXIBAR MANUAL TWISTING TOOL

FEATURES

- Easy-to-use tool twists or changes the plane of ERIFLEX FLEXIBAR
- Recommended to hold ERIFLEX FLEXIBAR while forming
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Conductor Width in./mm	Depth in./mm	Height in./mm	Length in./mm	Unit Weight (lb./kg)	Standard Package Qty.
MFTT2	4.72 120	3.23 82	1.58 40	18.74 475	4.41 2	1

Do not use with ERIFLEX FLEXIBAR SUMMUM.

MFTK MANUAL ERIFLEX FLEXIBAR TOOL KIT

FEATURES

- Complete set of tools to cut, strip, bend and twist ERIFLEX FLEXIBAR, including: MFSHT-2 ERIFLEX FLEXIBAR Manual Shearing Tool, MFBT-2 ERIFLEX FLEXIBAR Manual Bending Tool, MFST-2 ERIFLEX FLEXIBAR Stripping Tool, MFTT-2 ERIFLEX FLEXIBAR Manual Twisting Tool, and SOK ERIFLEX FLEXIBAR Stripping Knife
- Includes illustrated instructions for each tool
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Depth in./mm	Height in./mm	Length in./mm	Unit Weight (lb./kg)	Standard Package Qty.
MFTK	19.69 500	11.42 290	19.69 500	77.16 35	1

Refer to each individual tool for more technical information.

ERIFLEX FLEXIBAR SMALL BENDING AND FOLDING TOOL

FEATURES

- Used to ease the process of bending, folding or twisting of ERIFLEX FLEXIBAR
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Conductor Thickness (in.)	Conductor Thickness (mm)	Conductor Width (in.)	Conductor Width (mm)	Height (in.)	Height (mm)	Width (in.)	Width (mm)	Depth (in.)	Depth (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SFBF	.20	5	1.25 Max.	32 Max	6.30	160	14.17	360	14.17	360	11.26	.5	1

MFST-2 ERIFLEX FLEXIBAR STRIPPING TOOL

FEATURES

- Accurately cuts all sides of the ERIFLEX FLEXIBAR insulation in a single operation without marking the copper laminates
- Additional blade to safely release the longitudinal cut
- Adjustable blades
- Allows for stripping of short lengths
- Includes two holes for mounting to workbench
- Large abutment quickly and easily adjusts for stripping length setup
- Removable handle
- Robust and ergonomic design
- Replacement blade sets available
- RoHS compliant

BULLETIN: ERI5

Catalog Number	Conductor Width (in.)	Conductor Width (mm)	Height (in.)	Height (mm)	Width (in.)	Width (mm)	Length (in.)	Length (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
MFST2	.35 - 4.72	9 - 120	16.80	427	9.70	246	21.60	549	18.30	8	1

MFST-2 ERIFLEX FLEXIBAR STRIPPING TOOL BLADE SET

FEATURES

- Replacement blade set for MFST-2 ERIFLEX FLEXIBAR Stripping Tool
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
SBMFST2	2.20	1	1

4

MHYFSHT MANUAL HYDRAULIC ERIFLEX FLEXIBAR SHEARING TOOL

FEATURES

- Cuts ERIFLEX FLEXIBAR quickly and accurately without burrs or deformation
- Cuts through the insulation without damaging it
- Works with all sizes of ERIFLEX FLEXIBAR
- Integrated handles allow for easy portability
- Works without electrical or hydraulic power
- Includes two brackets for mounting to workbench
- Strong mechanical assembly
- Replacement blade available
- RoHS compliant

SPECIFICATIONS

- Material: Steel

BULLETIN: ERI5

Catalog Number	Height (in.)	Height (mm)	Width (in.)	Width (mm)	Depth (in.)	Depth (mm)	Unit Weight (lb.)	Unit Weight (kg)	Standard Package Qty.
MHYFSHT	18.90	480	26.10	663	9.40	239	63.90	29	1

Bulletin Number	Catalog Page
ERI1	113, 114, 115
ERI2	63, 64, 65, 66, 67, 68, 72, 109, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 140, 141, 142, 143, 144, 145, 146, 147, 149, 151, 153, 155, 156, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 182, 183, 184, 185
ERI3	18, 20, 21, 24, 30, 32, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 49
ERI4	22, 23, 29, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 69, 70, 71, 73, 74, 75, 76, 77, 78, 79, 80, 81, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 100, 101, 102, 103, 105, 106, 107, 108, 110, 112, 116, 117, 118, 177, 178, 179, 180, 181
ERI5	48, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205

Catalog Number	Model Code	Bulletin Number	Catalog Page
ABS110MOD	560880	ERI4	105
ABS15MOD	560860	ERI4	105
ABS210MOD	560890	ERI4	105
ABS310MOD	560900	ERI4	105
ABS45MOD	560870	ERI4	105
ABSAP25	560930	ERI4	106
ABSAP	560940	ERI4	106
ABSAPS	560950	ERI4	107
ABSEA	560960	ERI4	107
ABSKIT160X10	560910	ERI4	105
ABSKIT200X10	560920	ERI4	105
AFBSB600	504971	ERI4	79
ALP2000	504980	ERI4	78
BC100	553260	ERI4	59
BC30	553200	ERI4	59
BC40	553210	ERI4	59
BC50	553220	ERI4	59
BC63	553230	ERI4	59
BC80	553250	ERI4	59
BD100125A	563800	ERI2	142
BD100125AL	563810	ERI2	142
BD16	558610	ERI5	48, 198
BD168	558640	ERI5	48, 198
BD25	558620	ERI5	48, 198
BD40A	563720	ERI2	140
BD50	558630	ERI5	48, 198
BD80100A	563900	ERI2	141
BD80100AL	563910	ERI2	141
BJ10300S	556920	ERI3	39
BJ6150S	556900	ERI3	39
BJ6200S	556910	ERI3	39
BMS100	553080	ERI4	57
BMS500	553090	ERI4	57
BS125A	551311	ERI4	177
BS250A	551300	ERI4	178
BS400A	551250	ERI4	179
BSC125A	551321	ERI4	180
CABS140HWT	549526	ERI4	90
CABS140HWTN	549529	ERI4	91
CABS142T	549500	ERI4	84
CABS142TN	549506	ERI4	85
CABS143T	549501	ERI4	84
CABS143TN	549507	ERI4	85
CABS144T	549502	ERI4	84
CABS144TN	549508	ERI4	85
CABS190HWT	549527	ERI4	90
CABS190HWTN	549530	ERI4	91
CABS210TMOD	549380	ERI4	94
CABS210TN400	549320	ERI4	92
CABS210TN600	549270	ERI4	92
CABS210TNMOD	549350	ERI4	93
CABS220HWT	549528	ERI4	90
CABS220HWTN	549531	ERI4	91
CABS310TMOD	549390	ERI4	94
CABS310TNMOD	549360	ERI4	93
CABS382T	549503	ERI4	84
CABS382TN	549509	ERI4	85
CABS383T	549504	ERI4	84
CABS383TN	549510	ERI4	85
CABS384T	549505	ERI4	84
CABS384TN	549511	ERI4	85
CABS45TMOD	549370	ERI4	94
CABS45TN400	549310	ERI4	92
CABS45TN600	549260	ERI4	92
CABS45TNMOD	549340	ERI4	93
CABSAL18	549512	ERI4	86
CABSAL24	549513	ERI4	86
CABSAL30	549514	ERI4	86
CABSAL36	549515	ERI4	86
CABSAL48	549516	ERI4	86
CABSAL54	549517	ERI4	86
CABSAPP	549300	ERI4	93
CABSBRKTKITE	549520	ERI4	87
CABSBRKTKITM	549518	ERI4	88
CABSBRKTKITT	549519	ERI4	89
CABSBT	549460	ERI4	95
CABSE	549410	ERI4	95
CABSFIXKIT	549430	ERI4	98
CABSM	549420	ERI4	96
CABSRV	549480	ERI4	96
CABSSV	549470	ERI4	97
CABST	549400	ERI4	97
CABSTH	549450	ERI4	98
CAPCAPB5	560840	ERI2	185
CAPCAPB6	560850	ERI2	185
CAPCAPN15	560820	ERI2	184
CAPCAPN16	560830	ERI2	184
CAPCAPN5	560800	ERI2	184
CAPCAPN6	560810	ERI2	184
CB7X16	553150	ERI2	63
CBSB110TN	551181	ERI4	80
CBSB25TN	551151	ERI4	80
CFBS100T	562800	ERI4	77
CKT1213X112	561405	ERI4	62
CKT1213X114	561404	ERI4	62
CKT1213X2	561406	ERI4	62
CKT1420X58	561400	ERI4	62
CKT51618X114	561401	ERI4	62
CKT71614X114	561402	ERI4	62
CKT71614X2	561403	ERI4	62
CLIP10040X10	562830	ERI4	77
CLIP10050X10	562840	ERI4	77
CLIPM612X4	553450	ERI4	71
CLIPM612X5	553490	ERI4	71
COV100T	562810	ERI4	77
CPI161508	554277	ERI3	38
CPI162008	554278	ERI3	38
CPI162508	554279	ERI3	38
CPI163008	554280	ERI3	38
CPI164008	554282	ERI3	38
CPI166008	554286	ERI3	38
CPI2515010	554299	ERI3	38
CPI2520010	554300	ERI3	38
CPI2525010	554301	ERI3	38
CPI2530010	554302	ERI3	38
CPI2540010	554304	ERI3	38
CPI2560010	554308	ERI3	38

Catalog Number	Model Code	Bulletin Number	Catalog Page
CPI3515012	554321	ERI3	38
CPI3520012	554322	ERI3	38
CPI3525012	554323	ERI3	38
CPI3530012	554324	ERI3	38
CPI3540012	554326	ERI3	38
CPI3560012	554330	ERI3	38
CPI5015012	554343	ERI3	38
CPI5020012	554344	ERI3	38
CPI5025012	554345	ERI3	38
CPI5030012	554346	ERI3	38
CPI5040012	554348	ERI3	38
CPI5060012	554352	ERI3	38
CPI70110012	554384	ERI3	38
CPI7015012	554365	ERI3	38
CPI7020012	554366	ERI3	38
CPI7025012	554367	ERI3	38
CPI7030012	554368	ERI3	38
CPI7040012	554370	ERI3	38
CPI7060012	554374	ERI3	38
CPI7080012	554378	ERI3	38
CPIW5020020B	554386B	ERI3	40
CPIW5020024B	554401B	ERI3	40
CPIW5025020B	554398B	ERI3	40
CPIW5025024B	554403B	ERI3	40
CPIW5025027B	554405B	ERI3	40
CPIW5025030B	554407B	ERI3	40
CPIW5030020B	554427B	ERI3	40
CPIW5030024B	554428B	ERI3	40
CPIW5030027B	554429B	ERI3	40
CPIW5030030B	554409B	ERI3	40
CPIW5030033B	554412B	ERI3	40
CPIW5030039B	554416B	ERI3	40
CPIW5030042B	554421B	ERI3	40
CPIW5040033B	554414B	ERI3	40
CPIW5040039B	554418B	ERI3	40
CPIW5040042B	554423B	ERI3	40
CPIW7020020B	554397B	ERI3	40
CPIW7020024B	554402B	ERI3	40
CPIW7025020B	554399B	ERI3	40
CPIW7025024B	554404B	ERI3	40
CPIW7025027B	554406B	ERI3	40
CPIW7025030B	554408B	ERI3	40
CPIW7030030B	554411B	ERI3	40
CPIW7030033B	554413B	ERI3	40
CPIW7030039B	554417B	ERI3	40
CPIW7030042B	554422B	ERI3	40
CPIW7040020B	554388B	ERI3	40
CPIW7040033B	554415B	ERI3	40
CPIW7040039B	554419B	ERI3	40
CPIW7040042B	554424B	ERI3	40
DH120M5	560650	ERI2	183
DH120M6	560730	ERI2	183
DH15M5	560660	ERI2	183
DH15M6	560740	ERI2	183
DH20M5	560670	ERI2	183
DH20M6	560750	ERI2	183
DH30M5	560600	ERI2	183
DH30M6	560700	ERI2	183
DH45M5	560610	ERI2	183
DH45M6	560710	ERI2	183
DH55M5	560620	ERI2	183
DH70M5	560630	ERI2	183
DH70M6	560720	ERI2	183
DH85M5	560640	ERI2	183
DIE11	545811	ERI5	195
DIE11X20	545861	ERI5	196
DIE14	545816	ERI5	195
DIE14X20	545866	ERI5	196
DIE1732BLT716	545961	ERI5	195
DIE18	545821	ERI5	195
DIE20	545826	ERI5	195
DIE38BLT516	545956	ERI5	195
DIE516BLT14	545951	ERI5	195
DIE65	545801	ERI5	195
DIE65X13	545851	ERI5	196
DIE9	545806	ERI5	195
DIE9X18	545856	ERI5	196
DIE916BLT12	545966	ERI5	195
DIEHOLDER	545910	ERI5	197
DMHM4X10	561560	ERI2	182
DMHM4X15	561570	ERI2	182
DMHM4X20	561580	ERI2	182
DMHM4X25	561590	ERI2	182
DMHM4X30	561600	ERI2	182
DMHM4X35	561610	ERI2	182
DMHM4X40	561620	ERI2	182
DMHM4X50	561630	ERI2	182
DMHM4X60	561640	ERI2	182
DMHM5X15	561660	ERI2	182
DMHM5X20	561670	ERI2	182
DMHM5X25	561680	ERI2	182
DMHM5X30	561690	ERI2	182
DMHM5X35	561700	ERI2	182
DMHM5X40	561710	ERI2	182
DMHM5X50	561720	ERI2	182
DMHM5X60	561730	ERI2	182
DMHM5X70	561740	ERI2	182
DMHM5X80	561750	ERI2	182
DMHM6X100	561850	ERI2	182
DMHM6X15	561760	ERI2	182
DMHM6X20	561770	ERI2	182
DMHM6X30	561780	ERI2	182
DMHM6X40	561790	ERI2	182
DMHM6X50	561800	ERI2	182
DMHM6X60	561810	ERI2	182
DMHM6X70	561820	ERI2	182
DMHM6X80	561830	ERI2	182
DMHM6X90	561840	ERI2	182
DPCB100X10	550380	ERI4	54
DPCB100X5	550440	ERI4	54
DPCB120X10	550390	ERI4	54
DPCB125X5	550450	ERI4	54
DPCB25X5	550400	ERI4	54
DPCB50X10	550350	ERI4	54
DPCB50X5	550410	ERI4	54
DPCB60X10	550360	ERI4	54
DPCB63X5	550420	ERI4	54

Catalog Number	Model Code	Bulletin Number	Catalog Page
DPCB80X10	550370	ERI4	54
DPCB80X5	550430	ERI4	54
DR15X2M	557900	ERI4	116
DR55X2M	557700	ERI4	116
DR7X2M	557800	ERI4	116
DRG2M	558000	ERI4	116
EB12	568610	ERI2	67
EB168	568630	ERI2	68
EB20	568662	ERI2	66
EB36	568620	ERI2	67
EB44	568660	ERI2	64
EB60	568661	ERI2	65
EBBKDR	568665	ERI2	72
EBBKP	568666	ERI2	72
EC164	553460	ERI4	69
EC165	553480	ERI4	69
EC35	553470	ERI4	70
EJECSTOP1820L	545894	ERI5	196
EJECSTOP1820S	545896	ERI5	196
EJECSTOP614L	545893	ERI5	196
EJECSTOP614S	545895	ERI5	196
ENDCOV20	541774	ERI3	21
ENDCOV24	541775	ERI3	21
ENDCOV32	541776	ERI3	21
FBC10X155	553530	ERI4	61
FBC10X20	553540	ERI4	61
FBC10X4	553505	ERI4	61
FBC10X6	553430	ERI4	61
FBC10X9	553440	ERI4	61
FBC5X155	553510	ERI4	61
FBC5X20	553520	ERI4	61
FBC5X4	553405	ERI4	61
FBC5X6	553400	ERI4	61
FBC5X9	553410	ERI4	61
FBS400A	551350	ERI4	73
FBSS32X5	551190	ERI4	74
FC100X32	568700	ERI4	58
FC120X32	568730	ERI4	58
FC50X24	553020	ERI4	58
FC50X32	553030	ERI4	58
FC50X40	553040	ERI4	58
FC80X24	553050	ERI4	58
FC80X32	553060	ERI4	58
FC80X50	553070	ERI4	58
FGBS10	556220	ERI1	115
FGBS12	556230	ERI1	115
FGBS15	556240	ERI1	115
FGBS20	556250	ERI1	115
FGBS4	556200	ERI1	115
FGBS8	556210	ERI1	115
FLEX2MTC2X155	505059	ERI3	18
FLEX2MTC3X13	505053	ERI3	18
FLEX2MTC3X9X08	505051	ERI3	18
FLEX2MTC4X16	505055	ERI3	18
FLEX2MTC6X13	505054	ERI3	18
FLEX2MTC6X16	505056	ERI3	18
FLEX2MTC6X9X08	505052	ERI3	18
FLEX3MTC10X100	505549	ERI3	19
FLEX3MTC10X24X1	505512	ERI3	19
FLEX3MTC10X32X1	505519	ERI3	19
FLEX3MTC10X40X1	505526	ERI3	19
FLEX3MTC10X50X1	505532	ERI3	19
FLEX3MTC10X63X1	505538	ERI3	19
FLEX3MTC10X80X1	505544	ERI3	19
FLEX3MTC12X100	505550	ERI3	19
FLEX3MTC2X20X1	505501	ERI3	18
FLEX3MTC2X24X1	505506	ERI3	18
FLEX3MTC2X32X1	505513	ERI3	18
FLEX3MTC3X20X1	505502	ERI3	18
FLEX3MTC3X24X1	505507	ERI3	18
FLEX3MTC3X32X1	505514	ERI3	19
FLEX3MTC3X40X1	505521	ERI3	19
FLEX3MTC3X50X1	505527	ERI3	19
FLEX3MTC3X63X1	505533	ERI3	19
FLEX3MTC4X20X1	505503	ERI3	18
FLEX3MTC4X24X1	505508	ERI3	19
FLEX3MTC4X32X1	505515	ERI3	19
FLEX3MTC4X40X1	505522	ERI3	19
FLEX3MTC4X50X1	505528	ERI3	19
FLEX3MTC4X63X1	505534	ERI3	19
FLEX3MTC4X80X1	505540	ERI3	19
FLEX3MTC5X100X1	505546	ERI3	19
FLEX3MTC5X20X1	505504	ERI3	19
FLEX3MTC5X24X1	505509	ERI3	19
FLEX3MTC5X32X1	505516	ERI3	19
FLEX3MTC5X40X1	505523	ERI3	19
FLEX3MTC5X50X1	505529	ERI3	19
FLEX3MTC5X63X1	505535	ERI3	19
FLEX3MTC5X80X1	505541	ERI3	19
FLEX3MTC6X100X1	505547	ERI3	19
FLEX3MTC6X20X1	505505	ERI3	19
FLEX3MTC6X24X1	505510	ERI3	19
FLEX3MTC6X32X1	505517	ERI3	19
FLEX3MTC6X40X1	505524	ERI3	19
FLEX3MTC6X45X1	505551	ERI3	19
FLEX3MTC6X50X1	505530	ERI3	19
FLEX3MTC6X63X1	505536	ERI3	19
FLEX3MTC6X80X1	505542	ERI3	19
FLEX3MTC8X100X1	505548	ERI3	19
FLEX3MTC8X24X1	505511	ERI3	19
FLEX3MTC8X32X1	505518	ERI3	19
FLEX3MTC8X40X1	505525	ERI3	19
FLEX3MTC8X50X1	505531	ERI3	19
FLEX3MTC8X63X1	505537	ERI3	19
FLEX3MTC8X80X1	505543	ERI3	19
FLEXIDRILLRIMP	558601	ERI5	201
FLEXSM2MRC10X40	566750	ERI3	20
FLEXSM2MRC10X50	566810	ERI3	20
FLEXSM2MRC2X20	566490	ERI3	20
FLEXSM2MRC2X24	566550	ERI3	20
FLEXSM2MRC3X20	566500	ERI3	20
FLEXSM2MRC3X24	566560	ERI3	20
FLEXSM2MRC3X32	566630	ERI3	20
FLEXSM2MRC4X20	566510	ERI3	20
FLEXSM2MRC4X24	566570	ERI3	20
FLEXSM2MRC4X32	566640	ERI3	20
FLEXSM2MRC5X20	566520	ERI3	20

Catalog Number	Model Code	Bulletin Number	Catalog Page
FLEXSM2MRC5X24	566580	ERI3	20
FLEXSM2MRC5X32	566650	ERI3	20
FLEXSM2MRC5X40	566720	ERI3	20
FLEXSM2MRC5X50	566780	ERI3	20
FLEXSM2MRC6X24	566590	ERI3	20
FLEXSM2MRC6X32	566660	ERI3	20
FLEXSM2MRC6X40	566730	ERI3	20
FLEXSM2MRC8X32	566670	ERI3	20
FLEXSM2MRC8X50	566800	ERI3	20
FLG250	569160	ERI2	131
FLG400	569170	ERI2	131
FRCB1510	557030	ERI3	43
FRCB15100	557150	ERI3	43
FRCB1516	557040	ERI3	43
FRCB1520	557050	ERI3	43
FRCB1525	557060	ERI3	43
FRCB153	557000	ERI3	43
FRCB1530	557070	ERI3	43
FRCB1535	557080	ERI3	43
FRCB1540	557090	ERI3	43
FRCB155	557010	ERI3	43
FRCB1550	557100	ERI3	43
FRCB1570	557120	ERI3	43
FRCB1575	557130	ERI3	43
FRCB158	557020	ERI3	43
FS24	553550	ERI4	22, 29
FS32	553560	ERI4	22, 29
FS4063	553570	ERI4	23
FS80100	553580	ERI4	23
FSSB2516	557160	ERI3	44
FSSB2525	557170	ERI3	44
FSSB2550	557390	ERI3	44
FTCB1510	557230	ERI3	42
FTCB15100	557350	ERI3	42
FTCB1516	557240	ERI3	42
FTCB1520	557250	ERI3	42
FTCB1525	557260	ERI3	42
FTCB153	557200	ERI3	42
FTCB1530	557270	ERI3	42
FTCB1535	557280	ERI3	42
FTCB1540	557290	ERI3	42
FTCB155	557210	ERI3	42
FTCB1550	557300	ERI3	42
FTCB1560	557310	ERI3	42
FTCB1570	557320	ERI3	42
FTCB1575	557330	ERI3	42
FTCB158	557220	ERI3	42
FTCB2010	503520	ERI3	42
FTCB2016	503530	ERI3	42
FTCB2025	503540	ERI3	42
FTCB205	503510	ERI3	42
FTCBI1516	503600	ERI3	43
FTCBI1525	503610	ERI3	43
FTCBI16	510300	ERI3	43
FTCBI25	510310	ERI3	43
FTCBI50	510340	ERI3	43
HCBC100	553110	ERI4	60
HCBC120	553120	ERI4	60
HCBC80	553100	ERI4	60
HFBT	558920	ERI5	201
HFSTB	559020	ERI5	193
HFSTR	558990	ERI5	193
HTC34	545980	ERI5	48, 197
HYDRAULICOIL	545706	ERI5	192
HYDRBBBEN	545670	ERI5	190
HYDRBBCUT	545690	ERI5	191
HYDRBBCUTBL	545695	ERI5	191
HYDRBBPUN	545680	ERI5	194
HYDRFLEXST	559010	ERI5	192
HYDRFLEXSTBL	559040	ERI5	192
HYDRPMP115V	545701	ERI5	190
HYDRWC115V	545720	ERI5	189
IBS120103010	558276	ERI3	34
IBS12033010	558270	ERI3	34
IBS12043010	558271	ERI3	34
IBS12053010	558272	ERI3	34
IBS12063010	558273	ERI3	34
IBS12083010	558274	ERI3	34
IBS185103010	558295	ERI3	34
IBS18533010	558290	ERI3	34
IBS18543010	558291	ERI3	34
IBS18553010	558292	ERI3	34
IBS18563010	558293	ERI3	34
IBS18583010	558294	ERI3	34
IBS240103012	558285	ERI3	34
IBS24033012	558280	ERI3	34
IBS24043012	558281	ERI3	34
IBS24053012	558282	ERI3	34
IBS24063012	558283	ERI3	34
IBS24083012	558284	ERI3	34
IBS251030810	558250	ERI3	33
IBS25230810	558240	ERI3	33
IBS25330810	558241	ERI3	33
IBS25430810	558242	ERI3	33
IBS25530810	558243	ERI3	33
IBS25630810	558244	ERI3	33
IBS25830810	558249	ERI3	33
IBS50103010	558256	ERI3	33
IBS5023010	558260	ERI3	33
IBS5033010	558261	ERI3	33
IBS5043010	558262	ERI3	33
IBS5053010	558263	ERI3	33
IBS5063010	558264	ERI3	33
IBS5083010	558255	ERI3	33
IBSB1001030	558527	ERI3	31
IBSB100230	558521	ERI3	31
IBSB100330	558522	ERI3	31
IBSB100430	558523	ERI3	31
IBSB100530	558524	ERI3	31
IBSB100630	558525	ERI3	31
IBSB100830	558526	ERI3	31
IBSB251030	558506	ERI3	30
IBSB25230	558500	ERI3	30
IBSB25330	558501	ERI3	30
IBSB25430	558502	ERI3	30
IBSB25530	558503	ERI3	30
IBSB25630	558504	ERI3	30

Catalog Number	Model Code	Bulletin Number	Catalog Page
IBSB25830	558505	ERI3	30
IBSB501030	558513	ERI3	30
IBSB50230	558507	ERI3	30
IBSB50330	558508	ERI3	30
IBSB50430	558509	ERI3	30
IBSB50530	558510	ERI3	30
IBSB50630	558511	ERI3	30
IBSB50830	558512	ERI3	30
IBSB701030	558520	ERI3	31
IBSB70230	558514	ERI3	31
IBSB70330	558515	ERI3	31
IBSB70430	558516	ERI3	31
IBSB70530	558517	ERI3	31
IBSB70630	558518	ERI3	31
IBSB70830	558519	ERI3	31
IBSBR1201030	558534	ERI3	31
IBSBR120230	558528	ERI3	31
IBSBR120330	558529	ERI3	31
IBSBR120430	558530	ERI3	31
IBSBR120530	558531	ERI3	31
IBSBR120630	558532	ERI3	31
IBSBR120830	558533	ERI3	31
IBSBR1851030	558540	ERI3	31
IBSBR185330	558535	ERI3	31
IBSBR185430	558536	ERI3	31
IBSBR185530	558537	ERI3	31
IBSBR185630	558538	ERI3	31
IBSBR185830	558539	ERI3	31
IBSBR2401030	558546	ERI3	31
IBSBR240330	558541	ERI3	31
IBSBR240430	558542	ERI3	31
IBSBR240530	558543	ERI3	31
IBSBR240630	558544	ERI3	31
IBSBR240830	558545	ERI3	31
IBSHY32230	558584	ERI3	35
IBSHY32330	558586	ERI3	35
IBSHY32365	558587	ERI3	35
IBSHY32430	558588	ERI3	35
IBSHY32500	558589	ERI3	35
IBSHY32565	558591	ERI3	35
IBSHY32630	558592	ERI3	35
IBSHY32700	558593	ERI3	35
IBSHY32765	558594	ERI3	35
IBSHY32830	558595	ERI3	35
IRS5	557970	ERI4	118
IRS6	557980	ERI4	118
ISO11238	559660	ERI4	108
ISO11240	559662	ERI4	108
ISO112516	559663	ERI4	108
ISO114	559600	ERI4	108
ISO11414	559620	ERI4	108
ISO11438	559640	ERI4	108
ISO13438	559670	ERI4	108
ISO134516	559671	ERI4	108
ISO13838	559650	ERI4	108
ISO1516	559610	ERI4	108
ISO21212	559688	ERI4	109
ISO21213	559681	ERI4	108
ISO21238	559689	ERI4	109
ISO21412	559686	ERI4	109
ISO21438	559687	ERI4	109
ISO21812	559684	ERI4	109
ISO21838	559683	ERI4	108
ISO21858	559685	ERI4	109
ISO23412	559691	ERI4	109
ISO23438	559692	ERI4	109
ISO23816	559680	ERI4	108
ISO251618	559682	ERI4	108
ISO25858	559690	ERI4	109
ISO31213	559693	ERI4	109
ISO31238	559698	ERI4	109
ISO31258	559697	ERI4	109
ISO31412	559695	ERI4	109
ISO31438	559696	ERI4	109
ISO33816	559694	ERI4	109
ISOBOLT25M6	552200	ERI2	109
ISOBOLT30M8	552220	ERI2	109
ISOTP100F12M12	542120	ERI4	112
ISOTP100M12	548680	ERI4	111
ISOTP100M16	548690	ERI4	111
ISOTP15M4	548400	ERI4	110
ISOTP20M4	548410	ERI4	110
ISOTP20M6	548420	ERI4	110
ISOTP25M5	548700	ERI4	110
ISOTP25M6	548430	ERI4	110
ISOTP30F8M8	542030	ERI4	112
ISOTP30M10	548451	ERI4	110
ISOTP30M6	548440	ERI4	110
ISOTP30M8	548450	ERI4	110
ISOTP35M10	548490	ERI4	110
ISOTP35M6L	548470	ERI4	110
ISOTP35M8	548480	ERI4	110
ISOTP40F8M8	542050	ERI4	112
ISOTP40M10	548520	ERI4	110
ISOTP40M12	548511	ERI4	111
ISOTP40M6	548500	ERI4	110
ISOTP40M8	548510	ERI4	110
ISOTP45M10	548560	ERI4	111
ISOTP45M6	548530	ERI4	111
ISOTP45M8	548540	ERI4	111
ISOTP45M8L	548550	ERI4	111
ISOTP50F8M8	542070	ERI4	112
ISOTP50M10	548590	ERI4	111
ISOTP50M12	548581	ERI4	111
ISOTP50M6	548570	ERI4	111
ISOTP50M8	548580	ERI4	111
ISOTP60F8M8	542080	ERI4	112
ISOTP60M10	548610	ERI4	111
ISOTP60M12	548601	ERI4	111
ISOTP60M16	548602	ERI4	111
ISOTP60M8	548600	ERI4	111
ISOTP70M10	548609	ERI4	111
ISOTP70M12	548620	ERI4	111
ISOTP70M16	548630	ERI4	111
ISOTP75M10	548629	ERI4	111
ISOTP75M12	548640	ERI4	111
ISOTP75M16	548650	ERI4	111

Catalog Number	Model Code	Bulletin Number	Catalog Page
ISOTP80F8M8	542110	ERI4	112
ISOTP80M12	548660	ERI4	111
ISOTP80M16	548670	ERI4	111
KITEC450	562100	ERI4	71
MBJ10025016	563500	ERI3	37
MBJ10025030	563510	ERI3	37
MBJ10050016	563520	ERI3	37
MBJ10050030	563530	ERI3	37
MBJ102006	556930	ERI3	37
MBJ103006	556610	ERI3	37
MBJ161006	563540	ERI3	37
MBJ161008	556620	ERI3	37
MBJ161506	563550	ERI3	37
MBJ161508	556630	ERI3	37
MBJ162006	563300	ERI3	37
MBJ162008	556640	ERI3	37
MBJ162508	556650	ERI3	37
MBJ163006	563320	ERI3	37
MBJ163008	556660	ERI3	37
MBJ165008	556940	ERI3	37
MBJ2510010	556670	ERI3	37
MBJ2515010	556680	ERI3	37
MBJ2520010	556690	ERI3	37
MBJ2520012	563430	ERI3	37
MBJ252006	563340	ERI3	37
MBJ2525010	556700	ERI3	37
MBJ2530010	556710	ERI3	37
MBJ2550010	556950	ERI3	37
MBJ3010010	556720	ERI3	37
MBJ3015010	556730	ERI3	37
MBJ3020010	556740	ERI3	37
MBJ3025010	556750	ERI3	37
MBJ3030010	556760	ERI3	37
MBJ3050010	556960	ERI3	37
MBJ3510010	556770	ERI3	37
MBJ3515010	556780	ERI3	37
MBJ3520010	556790	ERI3	37
MBJ3525010	556800	ERI3	37
MBJ3525025	565000	ERI3	37
MBJ3530010	556810	ERI3	37
MBJ3550010	556970	ERI3	37
MBJ5010010	556820	ERI3	37
MBJ5015010	556830	ERI3	37
MBJ5020010	556840	ERI3	37
MBJ5020012	563440	ERI3	37
MBJ5020016	563360	ERI3	37
MBJ5020018	563370	ERI3	37
MBJ502006	563350	ERI3	37
MBJ5025010	556850	ERI3	37
MBJ5030010	556860	ERI3	37
MBJ5030016	563390	ERI3	37
MBJ5030018	563400	ERI3	37
MBJ503006	563380	ERI3	37
MBJ5050010	556980	ERI3	37
MBJ5050012	563560	ERI3	37
MBJ61506	556600	ERI3	37
MBJ62006	563410	ERI3	37
MBJ7030010	563460	ERI3	37
MBJ7030012	563420	ERI3	37
MBJ7030016	563470	ERI3	37
MBJ7030022	563480	ERI3	37
MBJ703006	563450	ERI3	37
MBJ7050010	563490	ERI3	37
MDRCPT2	559142	ERI5	202
MFBT2	559145	ERI5	202
MFCB	559120	ERI5	203
MFF	558930	ERI5	199
MFFC120	558935	ERI5	200
MFFC63	558934	ERI5	200
MFFR	558933	ERI5	200
MFFU	558931	ERI5	199
MFFV	558932	ERI5	200
MFSHT2	559146	ERI5	203
MFST2	559143	ERI5	205
MFTK	559149	ERI5	204
MFTT2	559148	ERI5	204
MHYFSHT	559151	ERI5	205
NB125A	563841	ERI2	147
NB160A	563201	ERI2	147
PALM16	557180	ERI3	49
PALM25	557190	ERI3	49
PALM50	557380	ERI3	49
PBC100X250	564000	ERI3	41
PBC1000X450	564900	ERI3	41
PBC100X500	564050	ERI3	41
PBC120X250	564010	ERI3	41
PBC1200X500	564030	ERI3	41
PBC150X250	564100	ERI3	41
PBC150X500	564150	ERI3	41
PBC200X250	564200	ERI3	41
PBC200X500	564250	ERI3	41
PBC250X300	564300	ERI3	41
PBC300X400	564400	ERI3	41
PBC400X400	564500	ERI3	41
PBC500X400	564600	ERI3	41
PBC600X450	564700	ERI3	41
PBC800X450	564800	ERI3	41
PCB1M12X4	550780	ERI4	53
PCB2M100X10	549750	ERI4	53
PCB2M100X5	549640	ERI4	53
PCB2M120X10	549760	ERI4	53
PCB2M12X4	550790	ERI4	53
PCB2M12X5	550770	ERI4	53
PCB2M125X5	549650	ERI4	53
PCB2M25X5	549600	ERI4	53
PCB2M30X10	549700	ERI4	53
PCB2M40X10	549710	ERI4	53
PCB2M50X10	549720	ERI4	53
PCB2M50X5	549610	ERI4	53
PCB2M60X10	549730	ERI4	53
PCB2M63X5	549620	ERI4	53
PCB2M80X10	549740	ERI4	53
PCB2M80X5	549630	ERI4	53
PCB4M100X10	550930	ERI4	53
PCB4M100X5	550670	ERI4	53
PCB4M120X10	550940	ERI4	53
PCB4M125X5	550680	ERI4	53

Catalog Number	Model Code	Bulletin Number	Catalog Page
PCB4M160X10	550950	ERI4	53
PCB4M200X10	550960	ERI4	53
PCB4M20X5	550600	ERI4	53
PCB4M25X5	550610	ERI4	53
PCB4M30X10	550970	ERI4	53
PCB4M30X5	550620	ERI4	53
PCB4M40X10	550980	ERI4	53
PCB4M40X5	550630	ERI4	53
PCB4M50X10	550900	ERI4	53
PCB4M50X5	550640	ERI4	53
PCB4M60X10	550910	ERI4	53
PCB4M60X5	550650	ERI4	53
PCB4M80X10	550920	ERI4	53
PCB4M80X5	550660	ERI4	53
PCH1732BLT716	545960	ERI5	195
PCH38BLT516	545955	ERI5	195
PCH516BLT14	545950	ERI5	195
PCH916BLT12	545965	ERI5	195
PCHHD1820	545905	ERI5	197
PCHHD691114	545900	ERI5	197
PDBS10B	554760	ERI1	113
PDBS10G	554460	ERI1	113
PDBS12B	554770	ERI1	113
PDBS12G	554470	ERI1	113
PDBS16B	554790	ERI1	113
PDBS16G	554490	ERI1	113
PDBS20B	554810	ERI1	113
PDBS20G	554510	ERI1	113
PDBS30B	554830	ERI1	113
PDBS30G	554530	ERI1	113
PDBS40B	554850	ERI1	113
PDBS40G	554550	ERI1	113
PDBS5B	554730	ERI1	113
PDBS50B	554860	ERI1	113
PDBS5G	554430	ERI1	113
PDBS50G	554560	ERI1	113
PDBS70B	554870	ERI1	113
PDBS70G	554570	ERI1	113
PDBS8B	554750	ERI1	113
PDBS8G	554450	ERI1	113
PDR152M52	557955	ERI4	117
PDR152M	557950	ERI4	117
PDR52M	557750	ERI4	117
PDR72M52	557855	ERI4	117
PDR72M	557850	ERI4	117
PDRG2M	558050	ERI4	117
PEND100	568805	ERI4	181
PEND300	568810	ERI4	181
PEND75	568800	ERI4	181
PUNCH11	545810	ERI5	195
PUNCH11X20	545860	ERI5	196
PUNCH14	545815	ERI5	195
PUNCH14X20	545865	ERI5	196
PUNCH18	545820	ERI5	195
PUNCH20	545825	ERI5	195
PUNCH65	545800	ERI5	195
PUNCH65X13	545850	ERI5	196
PUNCH9	545805	ERI5	195
PUNCH9X18	545855	ERI5	196
RCBS110TN	552070	ERI4	81
RCBS16TN	552050	ERI4	81
RFS4063	553370	ERI3	24
RFS80100	553380	ERI3	24
RRCB1510	557420	ERI3	45
RRCB15100	557480	ERI3	45
RRCB1516	557430	ERI3	45
RRCB1525	557440	ERI3	45
RRCB1530	557450	ERI3	45
RRCB1550	557460	ERI3	45
RRCB156	557400	ERI3	45
RRCB1575	557470	ERI3	45
RRCB158	557410	ERI3	45
RRCBI1510	510500	ERI3	46
RRCBI1516	510510	ERI3	46
RTCB1510	557620	ERI3	45
RTCB15100	557680	ERI3	45
RTCB1510HL	503700	ERI3	45
RTCB1516	557630	ERI3	45
RTCB1516HL	503710	ERI3	45
RTCB1525	557640	ERI3	45
RTCB1525HL	503720	ERI3	45
RTCB1530	557650	ERI3	45
RTCB1550	557660	ERI3	45
RTCB156	557600	ERI3	45
RTCB1575	557670	ERI3	45
RTCB158	557610	ERI3	45
RTCBI1510	503400	ERI3	46
RTCBI1510HL	503800	ERI3	46
RTCBI1516	503410	ERI3	46
RTCBI1516HL	503810	ERI3	46
RTCBI1525	503420	ERI3	46
RTCBI1530	503430	ERI3	46
RTCBI1550	503440	ERI3	46
SB125	561158	ERI2	151, 152
SB125AL	561161	ERI2	151, 152
SB160	561151	ERI2	151, 152
SB160AL	561162	ERI2	151, 152
SB2C400	561154	ERI2	155
SB2C400AL	561166	ERI2	155
SB250	561159	ERI2	151, 152
SB250AL	561163	ERI2	151, 152
SB400	561152	ERI2	151, 152
SB400AL	561164	ERI2	151, 152
SB630	561156	ERI2	151, 152
SB630AL	561168	ERI2	151, 152
SB80	561150	ERI2	151, 152
SB80AL	561160	ERI2	151, 152
SBF2C400	561155	ERI2	156
SBF2C400AL	561167	ERI2	156
SBF400	561153	ERI2	153, 154
SBF400AL	561165	ERI2	153, 154
SBF630	561157	ERI2	153, 154
SBF630AL	561169	ERI2	153, 154
SBLEC	561138	ERI2	171
SBLL250	561132	ERI2	160
SBLL500	561134	ERI2	161
SBLL800	561136	ERI2	162

Catalog Number	Model Code	Bulletin Number	Catalog Page
SBLT250	561140	ERI2	163
SBLT350	561142	ERI2	164
SBLT500	561144	ERI2	165
SBLT800	561146	ERI2	166
SBMFSHT2	559147	ERI5	203
SBMFST2	559144	ERI5	205
SBS10	554030	ERI1	115
SBS12	554040	ERI1	115
SBS15	554050	ERI1	115
SBS20	554060	ERI1	115
SBS25	554070	ERI1	115
SBS30	554080	ERI1	115
SBS4	554000	ERI1	115
SBS6	554010	ERI1	115
SBS8	554020	ERI1	115
SBTT250	561141	ERI2	167
SBTT350	561143	ERI2	168
SBTT500	561145	ERI2	169
SBTT800	561147	ERI2	170
SFBF	558945	ERI5	204
SIALPB	504991	ERI4	78
SOK	559050	ERI5	201
SOKB	559060	ERI5	201
SPIRFLEXI12	556010	ERI1	114
SPIRFLEXI16	556020	ERI1	114
SPIRFLEXI22	556030	ERI1	114
SPIRFLEXI6	556000	ERI1	114
SPIRFLEXX12	556110	ERI1	114
SPIRFLEXX6	556100	ERI1	114
TCB12X21M	549230	ERI4	55
TCB12X41M	550200	ERI4	55
TCB12X42M	550190	ERI4	55
TCB12X51M	549220	ERI4	55
TCB15X51M	550210	ERI4	55
TCB18X41M	549200	ERI4	55
TCB20X101M	550290	ERI4	56
TCB20X51M	550220	ERI4	55
TCB20X52M	549010	ERI4	55
TCB25X41M	549210	ERI4	55
TCB30X101M	550180	ERI4	56
TCB30X102M	550160	ERI4	56
TCB30X52M	549020	ERI4	55
TCB32X51M	550230	ERI4	55
TCBS15X52M	549000	ERI4	55
TCBW32X52M	549030	ERI4	56
TD100125A	563820	ERI2	145
TD100125AL	563830	ERI2	145
TD100125ALL	563840	ERI2	145
TD160A	563200	ERI2	146
TD160AL	563990	ERI2	146
TD40A	563740	ERI2	143
TD80100A	563920	ERI2	144
TD80100AL	563930	ERI2	144
TD80100ALL	563940	ERI2	144
TDL400A	563995	ERI2	149
TR125A	563150	ERI2	172
TR250A	563170	ERI2	173
TRC400A	563180	ERI2	175
TRC630A	563190	ERI2	176
TRS160A	563160	ERI2	174
TTCE10	510130	ERI3	47
TTCE15	510140	ERI3	47
TTCE20	510150	ERI3	47
TTCE25	510160	ERI3	47
TTCE3	510100	ERI3	47
TTCE30	510170	ERI3	47
TTCE35	510180	ERI3	47
TTCE5	510110	ERI3	47
TTCE8	510120	ERI3	47
TTCE8HL	504690	ERI3	47
UBS110TN160	561500	ERI4	103
UBS110TN	551060	ERI4	101
UBS15TN	551000	ERI4	101
UBS210T160	561520	ERI4	102
UBS210T	551080	ERI4	100
UBS210TN160	561870	ERI4	103
UBS210TN200	561880	ERI4	103
UBS210TN	551070	ERI4	101
UBS310TN160	561540	ERI4	103
UBS310TN200	561550	ERI4	103
UBS310TN	551090	ERI4	101
UBS45T	551020	ERI4	100
UBS45TN	551010	ERI4	101
UCFBS60T	562700	ERI4	75
UCFBS60TN	562750	ERI4	76
UCOV60T	562710	ERI4	75
UCOV60TN	562760	ERI4	76
UD250A	569040	ERI2	129
UD400A	569050	ERI2	130
UD400J	569200	ERI2	138
UD400112AL	569252	ERI2	135
UD400112CU	569052	ERI2	137
UD400212AL	569251	ERI2	134
UD400212CU	569051	ERI2	136
UD80A	569010	ERI2	125
UDF250A	569041	ERI2	132
UDF500A	569060	ERI2	133
UDJ125A	569020	ERI2	126
UDJ160A	569030	ERI2	127
UDJUMPER	569150	ERI2	128
UFSKIT	553590	ERI3	21
XM5	550250	ERI4	57
ZFX100M8MMBK	554880	ERI1	114
ZFX20M25MMBK	554910	ERI1	114
ZFX30M20MMBK	554900	ERI1	114
ZFX50M15MMBK	554890	ERI1	114

Product Description	Catalog Page
ABS Adjustable Busbar Support ERIFLEX ERILINK Adaptor	107
ABS Adjustable Busbar Support High Ampacity Kit	105
ABS Adjustable Busbar Support Insulator Module	105
ABS Adjustable Busbar Support Perforated Profile	106
ABS Adjustable Busbar Support Profile	106
ABS Adjustable Busbar Support Profile Stiffener	107
Adjustable Busbar Support (ABS) Selection Options	104
Adjustable Flat Busbar Support Insulator	78
Adjustable Flat Busbar Support Kit	79
Adjustable Flat Busbar Support Rail	78
BC Ribbed Steel Busbar Clamp	59
BD Crimp and Drill Tool	198, 48
BD Two Pole Distribution Block, 100/125 A	142
BD Two Pole Distribution Block, 40 A	140
BD Two Pole Distribution Block, 80/100 A	141
BJ Round Braid With Crimped Lugs	39
Blocks and Terminals Product Overview	122
BMS Bimetal Plate	57
Braid Crimping Tool Kit	48, 197
BS-125A Four Pole Insulating Support	177
BS-250A Four Pole Insulating Support	178
BS-400A Four Pole Insulating Support	179
BSC-125A Four Pole Insulating Support	180
Cable to Cable Power Block	151
Cable to ERIFLEX FLEXIBAR/Insulated Power Braid Power Block	153
Cable to Two Cables Power Block	155
CABS Aluminum Profile, UL	86
CABS-APP Aluminum Profile	93
CABS-BT Bracket	95
CABS Busbar Support Kit	92
CABS-E Bracket	95
CABS-E Bracket, UL	87
CABS Fixing Kit	98
CABS Hardware Kit, UL	90
CABS-M Bracket	96
CABS-M Bracket, UL	88
CABS Module Kit	94
CABS Module Kit, UL	84
CABS Module Kit with Neutral Circuit	93

Product Description	Catalog Page
CABS Module Kit with Neutral Circuit, UL	85
CABS-RV Bracket	96
CABS-SV Bracket	97
CABS-T Bracket Kit	97
CABS-T Bracket, UL	89
CABS-TH Bracket Kit	98
CABS with Neutral Circuit Hardware Kit, UL	91
CAPB Cap Nut With Threaded Stud	185
CAPN Cap Nut	184
CFBS-100-T Flat Busbar Supports	77
CFBS Flat Busbar Support Clips	77
Compact and Adjustable Busbar Supports (CABS)	82
Compact Busbar Support with Neutral Circuit	80
CONT-Kit Nuts and Bolts Contact Kits	62
CPI Grounding and Bonding Braid, Stainless Steel	38
CPIW Grounding and Bonding Braid, Stainless Steel for Large Bolts	40
DH Distance Holder and Spacer	183
Die Holder	197
Disconnectable Pen System	181
DMH Metallic Spacers	182
DPCB Punched Plain Copper Busbar, Double	54
DPCB Punched Plain Copper Busbar, Single	54
DRG Asymmetric Profile	116
DR Symmetric Profile	116
EB-12 Earthing and Neutral Busbar	67
EB-168 Earthing and Neutral Busbar	68
EB-20 Earthing and Neutral Busbar	66
EB-36 Earthing and Neutral Busbar	67
EB-44, Earthing and Neutral Busbars	64
EB-60 Earthing and Neutral Busbar	65
EBB-KDR Neutral Busbar DIN Rail Mounting Kit	72
EBB-KP Neutral Busbar Two Bar Mounting Kit	72
EC16 Earthing/Grounding Connector	69
EC35 Earthing/Grounding Connector	70
EC-450 Earthing/Grounding Kit	71
Ejection Stop Kit	196
ERIFLEX FLEXIBAR Busbar Selection and Technical Characteristics	14
ERIFLEX FLEXIBAR End Cover	21
ERIFLEX FLEXIBAR Insulated Flexible Busbar	13

Product Description	Catalog Page
ERIFLEX FLEXIBAR Small Bending and Folding Tool	204
ERIFLEX FLEXIBAR SUMMUM, Halogen Free	20
ERIFLEX FLEXIBAR, Tinned Copper	18
ERIFLEX SPIRFLEX Spiral Sleeve	114
ERIFLEX ZIPFLEX Sleeve	114
FBC FLEXIBAR/Cable to Busbar Clamp	61
FBS Flat Busbar Supports	73
FBSS Flat Busbar Supports	74
FC ERIFLEX FLEXIBAR to Busbar Clamp	58
FGBS Fiberglass Braided Sleeve	115
Flat Terminal Connection for UD250A and UD600A	131
Flexible Conductors Product Overview	12
FLEXIDRILL Drill Guide	201
Four-Pole Distribution Blocks - TDL	148
FRCB Flat Braid in Coil, Plain Copper	43
FSSB Flat Braid in Coil, Stainless Steel	44
FS Spacer Clamp	23
FS Spacer Clamp, Snap Close	22
FTCB Flat Braid in Coil, Tinned Copper	42
FTCBI Insulated Flat Braid in Coil, Tinned Copper	43
HCBC High Current Busbar Clamp	60
HFBT ERIFLEX FLEXIBAR Bending Tool	201
HFST-B ERIFLEX FLEXIBAR Shearing Tool Guide	193
Hydraulic Busbar Cutter	191
Hydraulic Busbar Cutter Replacement Blade	191
Hydraulic Cutter Support Extension With Ruler	193
Hydraulic ERIFLEX FLEXIBAR Shearing Tool	192
Hydraulic ERIFLEX FLEXIBAR Shearing Tool Replacement Blade	192
Hydraulic Flexible/Non-Flexible Busbar Bender	190
Hydraulic Flexible/Non-Flexible Busbar Puncher	194
Hydraulic Flexible/Non-Flexible Busbar Work Center	189
Hydraulic Flexible/Non-Flexible Busbar Work Center Overview	188
Hydraulic Oil	192
Hydraulic Pump and Foot Controller	190
IBSB/IBSBR Insulated Braided Conductor for Circuit Breakers	30
IBS Flat Insulated Braided Conductor	32
IBSHY Insulated Braided Conductor for Compact Circuit Breakers	35
IBS Round Insulated Braided Conductor	34
Insulated Braided Conductors for Circuit Breakers Overview	26

Product Description	Catalog Page
Insulated Braided Conductors (IBS, IBSB, IBSBR)	28
IRS Angle Support Bracket	118
ISOBOLT Low Voltage Insulator Mounting Kit	109
ISO Low Voltage Insulators, Imperial Thread	108
ISO-TP Low Voltage Insulators, Metric Thread	110
ISO-TP Low Voltage Male/Female Insulators	112
MBJ Grounding and Bonding Braid, Tinned Copper	36
MDRCPT-2 Manual DIN Rail Cutting and Punching Tool	202
MFBT-2 ERIFLEX FLEXIBAR Manual Bending Tool	202
MFC ERIFLEX FLEXIBAR Shearing Tool Replacement Blade	203
MFFC ERIFLEX FLEXIBAR Folding Tool Clamp	200
MFF ERIFLEX FLEXIBAR Folding Tool Starter Kit	199
MFFR ERIFLEX FLEXIBAR Folding Tool Rail	200
MFFU ERIFLEX FLEXIBAR Folding Tool U-Shape	199
MFFV ERIFLEX FLEXIBAR Folding Tool Fixed Vice	200
MFSHT-2 ERIFLEX FLEXIBAR Manual Shearing Tool	203
MFST-2 ERIFLEX FLEXIBAR Stripping Tool	205
MFST-2 ERIFLEX FLEXIBAR Stripping Tool Blade Set	205
MFTK Manual ERIFLEX FLEXIBAR Tool Kit	204
MFTT-2 ERIFLEX FLEXIBAR Manual Twisting Tool	204
MHYFSHT Manual Hydraulic ERIFLEX FLEXIBAR Shearing Tool	205
Mounting Clip for Plain Busbar	71
Neutral Bar for TD Distribution Blocks	147
Oval Hole Die	196
Oval Hole Punch	196
PBC Braided Power Shunts	41
PB Lug for Flat Braids	49
PCB Plain Copper Busbar	53
PDBS Polyamide Braided Sleeve	113
PDRG Perforated Asymmetric Profile	117
PDR Perforated Symmetric Profile	117
Power and Ground Connections Product Overview	52
Power Blocks - SB Series	150
Power Terminals	158
Punch Holder	197
Reinforced Compact Busbar Support with Neutral Circuit	81
Replacement Blades for MFSHT-2 ERIFLEX FLEXIBAR Manual Shearing Tool	203
RFS Reinforced ERIFLEX FLEXIBAR Support	24
Round Hole Die	195
Round Hole Punch	195
RRCBI Insulated Round Braid in Coil, Plain Copper	46
RRCB Round Braid in Coil, Plain Copper	45
RTCBI Insulated Round Braid in Coil, Tinned Copper	46
RTCB Round Braid in Coil, Tinned Copper	45
SBLEC Power Terminals Fixing Accessory	171
SBLL250 Lug-to-Lug Power Terminal	160
SBLL500 Lug-to-Lug Power Terminal	161
SBLL800 Lug-to-Lug Power Terminal	162
SBLT250 Lug-to-Terminal Power Terminal	163
SBLT350 Lug-to-Tunnel Power Terminal	164
SBLT500 Lug-to-Tunnel Power Terminal	165
SBLT800 Lug-to-Tunnel Power Terminal	166
SBS Isolating Silicone Sleeve	115
SBTT250 Tunnel-to-Tunnel Power Terminal	167
SBTT350 Tunnel-to-Tunnel Power Terminal	168
SBTT500 Tunnel-to-Tunnel Power Terminal	169
SBTT800 Tunnel-to-Tunnel Power Terminal	170
SOK ERIFLEX FLEXIBAR Stripping Knife	201
TCB Threaded Busbar	55
TCB Threaded Busbar With Fixing Hole	56
TCB Threaded Busbar With Fixing Slot	55
TCBW Threaded Busbar, W-Thread	56
TD Compact Four Pole Distribution Block, 100/125 A	145
TD Compact Four Pole Distribution Block, 160 A	146
TD Compact Four Pole Distribution Block, 40 A	143
TD Compact Four Pole Distribution Block, 80/100 A	144
TDL Compact Four-Pole Distribution Blocks, 400 A	149
TRC Four Pole Distribution Block, 400 A	175
TRC Four Pole Distribution Block, 630 A	176
TR Four Pole Distribution Block, 125 A	172
TR Four Pole Distribution Block, 250 A	173
TRS Four Pole Distribution Block, 160 A	174
TTCE Tubular Braid in Coil, Tinned Copper	47
Two- and Four-Pole Distribution Blocks	139
Two Cables to ERIFLEX FLEXIBAR/Insulated Power Braid Power Block	156
UCFBS-60-T Busbar Supports	75
UCFBS-60-TN Busbar Supports	76
UD-250A Single Pole Distribution Block	129
UD-400A-112AL Single Pole Distribution Block	135
UD-400A-112CU Single Pole Distribution Block	137
UD-400A-212AL Single Pole Distribution Block	134
UD-400A-212CU Single Pole Distribution Block	136
UD-400A Single Pole Distribution Block	130
UD-400J Jumper for Single Pole Distribution Block	138
UD-80A Single Pole Distribution Block	125
UDF-250A Single Pole Distribution Block	132
UDF-500A Single Pole Distribution Block	133
UDJ-125A Single Pole Distribution Block	126
UDJ-160A Single Pole Distribution Block	127
UDJ Jumper Used on UDJ125A and UDJ160A	128
UFS ERIFLEX FLEXIBAR and IBSB Support Kit	21
Universal Busbar Support, High Ampacity	102
Universal Busbar Supports	100
Universal Busbar Support with Neutral Circuit	101
Universal Busbar Support with Neutral Circuit, High Ampacity	103
Universal Connecting Bar	63
XM5 Threaded Busbar Connector	57

PENTAIR

PENTAIRPROTECT.COM/HOFFMAN

NORTH AMERICA

Minneapolis, MN
Tel: +1.763.421.2240

Solon, OH
Tel: 1.800.497.4304

Mexico, D.F.
Tel: +52.55.5280.1449

Toronto, Canada
Tel: +1.416.289.2770

SOUTH AMERICA

Sao Paulo, Brazil
Tel: +55.11.5184.2100

Boitura, Brazil
Tel: +55.15.3363.9148

EUROPE

Andrézieux, France
Tel: +33.4.77.36.54.32

Straubenhardt, Germany
Tel: +49.7082.794.0

Dzierzoniow, Poland
Tel: +48.74.64.63.900

Lainate, Italy
Tel: +39.02.932.7141

Aachen, Germany
Tel: +49.2405.40996.0

MIDDLE EAST & INDIA

Dubai, United Arab Emirates
Tel: +971.4.378.1700

Bangalore, India
Tel: +91.80.6715.2001

ASIA

Shanghai, P.R. China
Tel: +86.21.2412.6943

Singapore
Tel: +65.6768.5800

Shin-Yokohama, Japan
Tel: +81.45.476.0271

Seoul, Korea
Tel: +82.2.2129.7755

Qingdao
Tel: +86.532.8771.6101