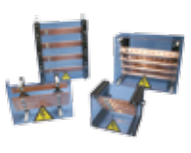
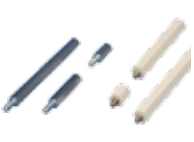
CONNECTING BLOCKS PRODUCT OVERVIEW

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

SINGLE-POLE DISTRIBUTION BLOCKS, UD80A, UD125A, UD160A

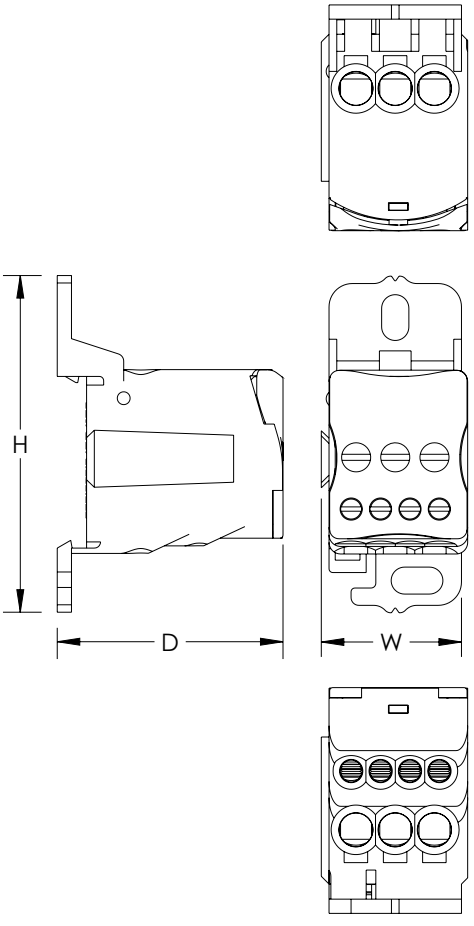
FEATURES

- Visual inspection of wire and confirmation of connection
- Halogen-free
- IP 20 finger safe
- 95% fill ratio
- Self extinguishing: UL94 V-0
- Tinned copper blocks: Copper or Aluminum Cable

UD-80A SINGLE POLE DISTRIBUTION BLOCK

FINISH

- Finish: Tinned



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 SCCR Rating: 10kA SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267

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

SPECIFICATIONS

- Material: Copper, Thermoplastic

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UD80A	1.82	2.72	1.18	0.15	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)
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 Side Stranded Wire Size - Ferrule	Load Side 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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

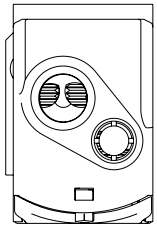
UDJ-125A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

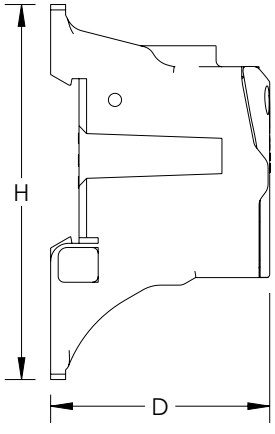
- Finish: Tinned

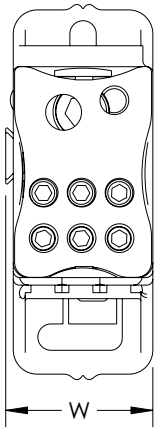


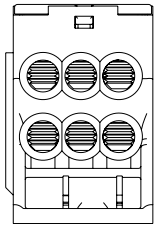
INDUSTRY STANDARDS

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

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267







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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UDJ125A	1.82	3.04	1.16	0.33	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)
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 Side Stranded Wire Size - Ferrule	Load Side 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 (4) 2,5 - 16 mm^2	(1) #10 - #4 (6) #10 - #4

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

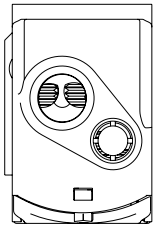
UDJ-160A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

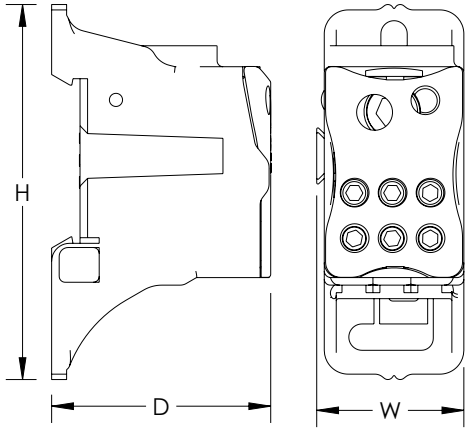
- Finish: Tinned



INDUSTRY STANDARDS

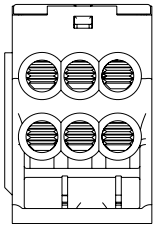
UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
Flammability Rating: UL 94V-0
SCCR Rating: 10kA
SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267



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



Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UDJ160A	1.82	3.04	1.16	0.33	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)
160 A	200 A	11.8 kA	30 kA	100 kA	1,000 VAC/DC	600 V

Line and Load Connections and Wire Size

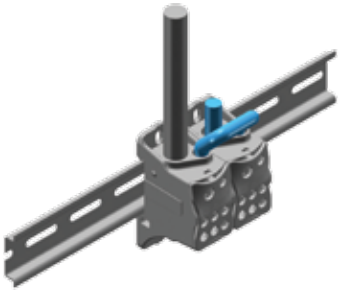
Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
1	10 – 70 mm²	#8 – 3/0	7	(1) 6 – 16 mm² (6) 2,5 - 16 mm²	(1) 6 - 16 mm² (4) 2,5 - 16 mm²	(1) #10 - #4 (6) #10 - #4

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

UDJ JUMPER FOR SINGLE POLE DISTRIBUTION BLOCK FOR UDJ125 AND UDJ160



FEATURES

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

Catalog Number
UDJUMPER

SINGLE-POLE DISTRIBUTION BLOCKS, UD250A, UD400A

FEATURES

- ERIFLEX FLEXIBAR connection at input, using flag terminals (FLG 250 A and FLG 400 A)

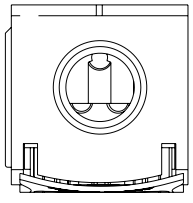
UD-250A SINGLE POLE DISTRIBUTION BLOCK

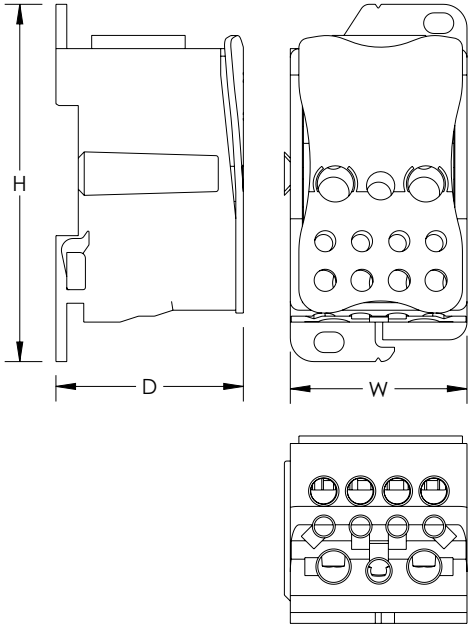
SPECIFICATIONS

- 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 Flammability Rating: UL 94V-0 SCCR Rating: 10kA SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267

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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UD250A	1.99	3.79	1.93	0.93	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 - 25 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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

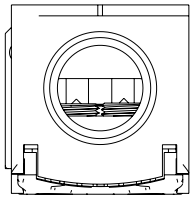
UD-400A SINGLE POLE DISTRIBUTION BLOCK

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

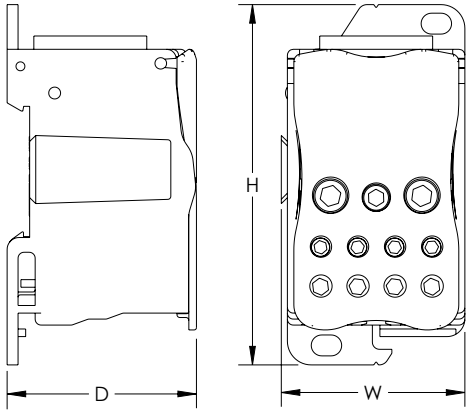
- Finish: Tinned



INDUSTRY STANDARDS

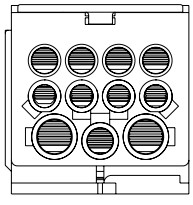
UL 1059 Component Recognized: File No. E198301
cUL Component Recognized per CSA C22.2 No. 158;
File No. E198301
Flammability Rating: UL 94V-0
SCCR Rating: 10kA
SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267



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



Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UD400A	1.99	3.79	1.93	0.88	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

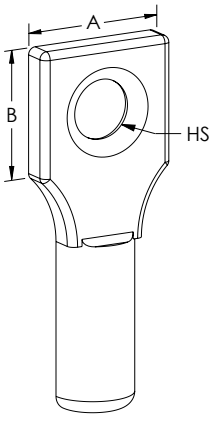
Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
1	95 – 185 mm^2	3/0 – 400 kcmil	11	(2) 6 – 35 mm^2 (5) 2,5 – 16 mm^2 (4) 2,5 – 10 mm^2	(2) 6 - 25 mm^2 (5) 2,5 - 16 mm^2 (4) 2,5 - 10 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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

FLAT TERMINAL CONNECTION FOR UD250A AND UD600A



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

Unit Dimensions

Catalog Number	Hole Size HS (in.)	A (in.)	B (in.)	Unit Weight (lb.)	Qty.
FLG250	0.42	0.97	1.37	0.11	10
FLG400	0.42	1.18	1.57	0.22	10

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

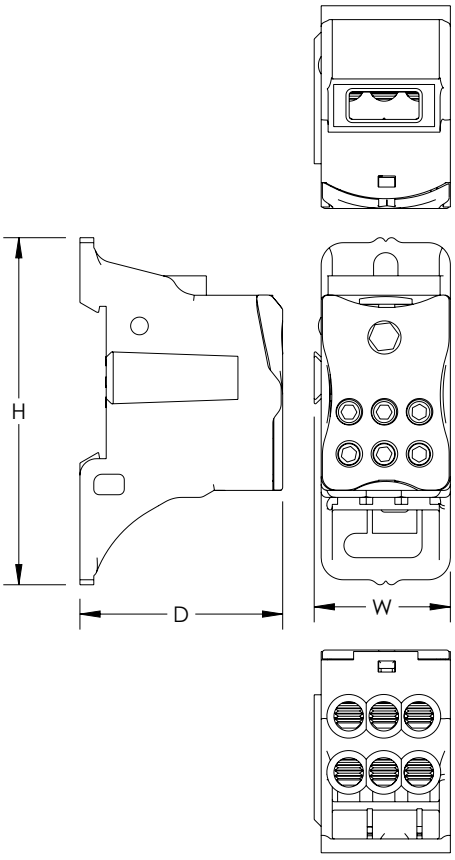
*environment around the terminal blocks inside the enclosure

SINGLE-POLE DISTRIBUTION BLOCKS, UDF250A, UDF500A

FEATURES

- Input connection using ERIFLEX FLEXIBAR
- Visual inspection of wire and confirmation of connection
- Halogen Free
- IP 20 finger safe
- 95% fill ratio
- Tinned Copper Block : Copper or Aluminium Cables
- RoHS Compliant
- Short Circuit Rated up to 100 KA (UDF 250A). See UL file E198301.
- Self extinguishing: UL94 V-0

UDF-250A SINGLE POLE DISTRIBUTION BLOCK



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
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267

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

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UDF250A	1.82	3.11	1.16	0.33	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)
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 Stranded 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 ERIFLEX FLEXIBAR Size

Conducting Layers	Conductor Width	Lamination Thickness
3 - 6	9 mm	0.8 mm
3 - 6	13 mm	0.5 mm
2 - 6	15.5 mm	0.8 mm

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

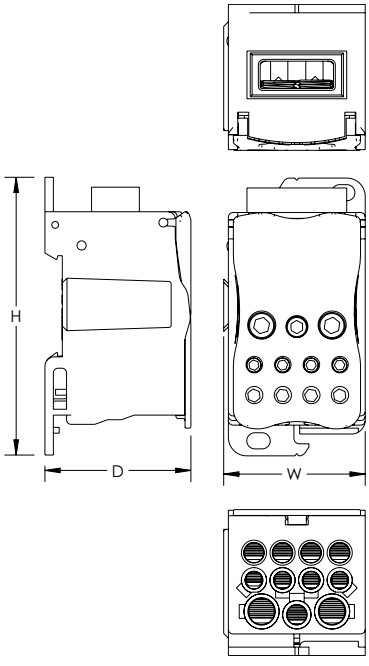
UDF-500A SINGLE POLE DISTRIBUTION BLOCK

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
Flammability Rating: UL 94V-0

IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267

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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UDF500A	1.99	3.79	1.93	0.82	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	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	–	11	(2) 6 – 35 mm² (4) 2,5 – 10 mm² (5) 2,5 – 16 mm²	(2) 6 - 25 mm² (4) 2,5 - 10 mm² (5) 2,5 - 16 mm²	(2) #8 - #1 (4) #8 - #6 (5) #8 - #4

Line Side ERIFLEX FLEXIBAR Size

Conducting Layers	Conductor Width	Lamination Thickness
4 - 6	15.5 mm	0.8 mm
2 - 6	20 mm	1 mm
2 - 8	24 mm	1 mm

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

SINGLE-POLE DISTRIBUTION BLOCKS, UD400A212, UD400A112

FEATURES

- Tinned Copper or Tinned Aluminium Block: Copper or Aluminium Cables
- Visual inspection of wire and confirmation of connection
- Halogen Free
- IP 20 finger safe
- 95% Fill Ratio
- Self extinguishing: UL 94 V-0
- Easy fixing: clip on din rail or mount to panel with screws

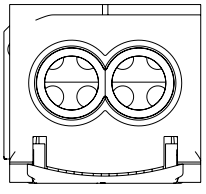
UD-400A-212AL SINGLE POLE DISTRIBUTION BLOCK

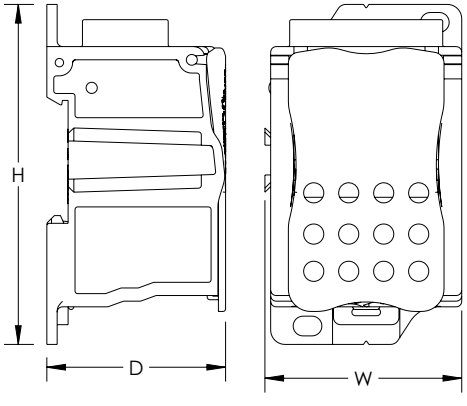
SPECIFICATIONS

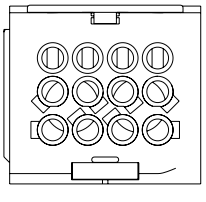
- Material: Aluminum, Thermoplastic

FINISH

- Finish: Tinned







INDUSTRY STANDARDS

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

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267

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

Unit Dimensions

Catalog Number	Material	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UD400212AL	Aluminum	1.99	3.79	2.2	0.35	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 mm²	#8 – 3/0	12	(12) 2,5 - 10 mm²	(12) 2,5 - 10 mm²	(12) #14 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

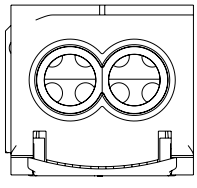
UD-400A-212CU SINGLE POLE DISTRIBUTION BLOCK

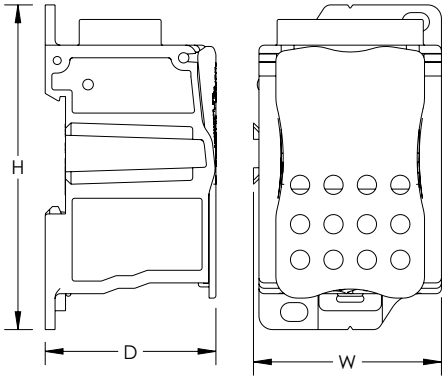
SPECIFICATIONS

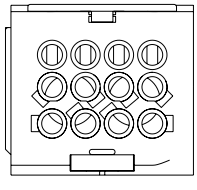
- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned







INDUSTRY STANDARDS

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

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267

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

Unit Dimensions

Catalog Number	Material	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UD400212CU	Copper	1.99	3.79	2.2	0.84	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 mm²	#8 – 3/0	12	(12) 2,5 - 10 mm²	(12) 2,5 - 10 mm²	(12) #14 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

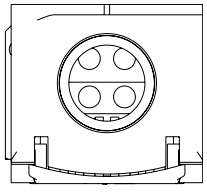
UD-400A-112AL SINGLE POLE DISTRIBUTION BLOCK

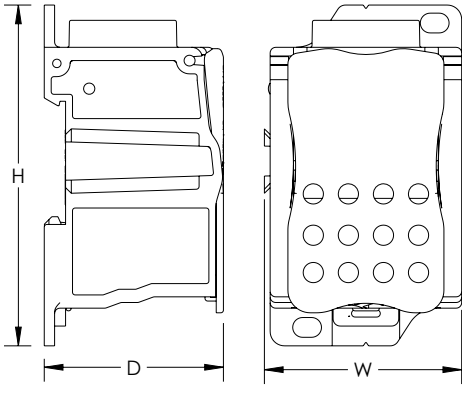
SPECIFICATIONS

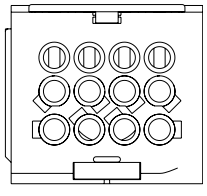
- Material: Aluminum, Thermoplastic

FINISH

- Finish: Tinned







INDUSTRY STANDARDS

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

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267

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

Unit Dimensions

Catalog Number	Material	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UD400112AL	Aluminum	1.99	3.79	2.2	0.40	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)
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 mm²	3/0 – 400 kcmil	12	(12) 2,5 - 10 mm²	(12) 2,5 - 10 mm²	(12) #14 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

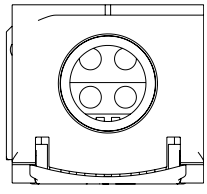
UD-400A-112CU SINGLE POLE DISTRIBUTION BLOCK

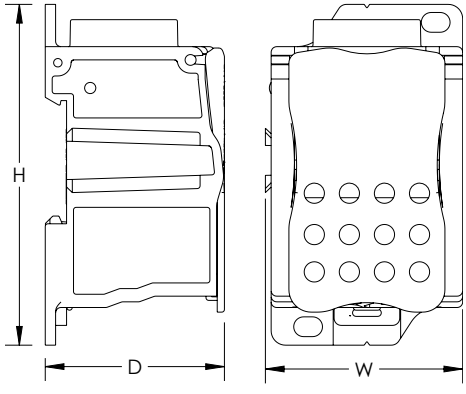
SPECIFICATIONS

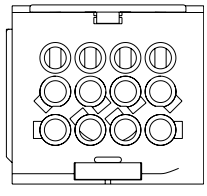
- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned







INDUSTRY STANDARDS

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

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
IEC 60529 IP20
EAC File No. 0234267

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

Unit Dimensions

Catalog Number	Material	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
UD400112CU	Copper	1.99	3.79	2.2	0.88	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 mm²	3/0 – 400 kcmil	12	(12) 2,5 - 10 mm²	(12) 2,5 - 10 mm²	(12) #14 - #6

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

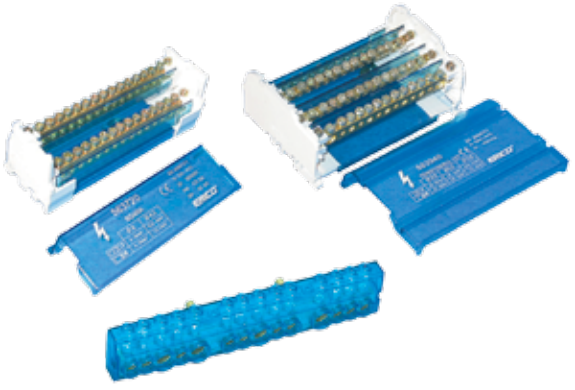
UD-400J JUMPER FOR SINGLE POLE DISTRIBUTION BLOCK

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

Catalog Number	Qty.
UD400J	10

TWO- AND FOUR-POLE DISTRIBUTION BLOCKS, 40/80/100 AMP



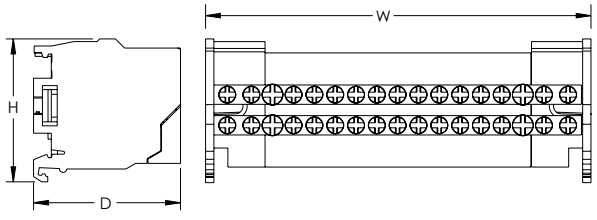
FEATURES

- Minimum space for maximum power
- Easy connections
- Protection: Transparent cover and screen
- Self extinguishing: UL94 V-0
- Safe connections
- Rail or screw mounting*
- Halogen Free

BD TWO POLE DISTRIBUTION BLOCK, 40 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
- Halogen free
- RoHS compliant



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 60947-7-1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
BD40A	1.97	1.97	5.12	0.49	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

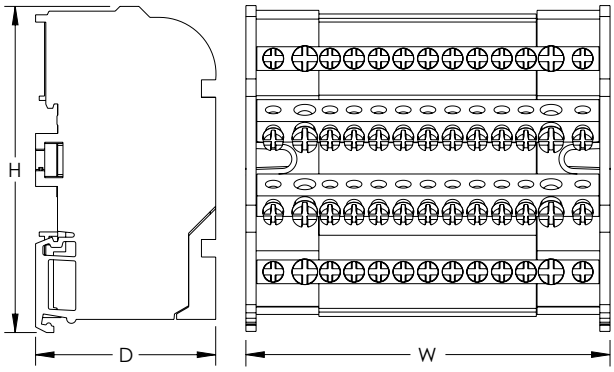
Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
2	6 – 16 mm²	4 – 10 mm²	15	(15) 1,5 – 4 mm²	(15) 0,75 – 4 mm²

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 40 A



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 60947-7-1
EAC File No. 0234267

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

SPECIFICATIONS

- Material: Thermoplastic, Brass

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
TD40A	1.97	3.54	3.94	0.73	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 Strande Wire Size - Ferrule
2	6 – 16 mm²	4 – 10 mm²	11	(15) 1,5 – 4 mm²	(15) 0,75 – 4 mm²

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

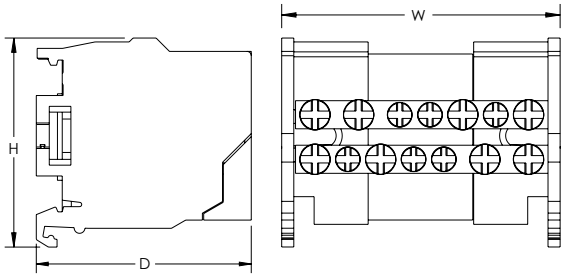
Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*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



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 60947-7-1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
BD80100A	1.97	1.97	2.52	0.24	1
BD80100AL	1.97	1.97	5.12	0.46	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

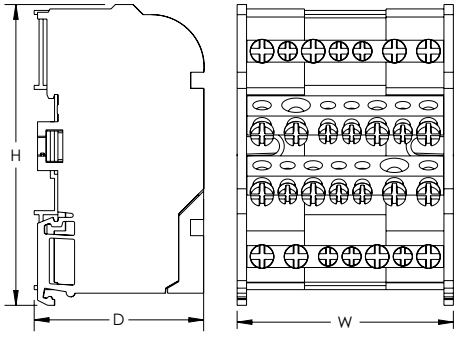
Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
BD80100A	1	10 – 25 mm^2	10 – 25 mm^2	6	(3) 1,5 – 4 mm^2 (3) 1,5 – 6 mm^2	(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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 80/100 A



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 60947-7-1
EAC File No. 0234267

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

SPECIFICATIONS

- Material: Thermoplastic, Brass

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
TD80100A	1.97	3.54	2.52	0.46	1
TD80100AL	1.97	3.54	3.94	0.68	1
TD80100ALL	1.97	3.54	5.12	0.88	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 mm²	10 – 25 mm²	6	(3) 1,5 – 4 mm² (3) 1,5 – 6 mm²	(3) 0,75 – 4 mm² (3) 1,5 – 6 mm²
TD80100AL	2	10 – 25 mm²	10 – 25 mm²	9	(4) 1,5 – 4 mm² (5) 2,5 – 6 mm²	(4) 0,75 – 4 mm² (5) 1,5 – 6 mm²
TD80100ALL	2	10 – 25 mm²	10 – 25 mm²	13	(6) 1,5 – 4 mm² (7) 2,5 – 6 mm²	(6) 0,75 – 4 mm² (7) 1,5 – 6 mm²

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

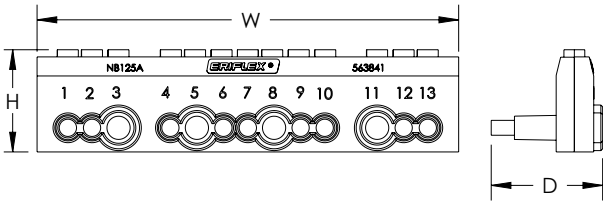
Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*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



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 60947-7-1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.	Use With Distribution Blocks
NB125A	1.47	1.35	5.60	0.37	1	TD-100-125AL (563830) TD-100-125ALL (563840)
NB160A	1.63	1.35	6.70	0.44	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

TWO- AND FOUR-POLE DISTRIBUTION BLOCKS, 100/125/160 AMP

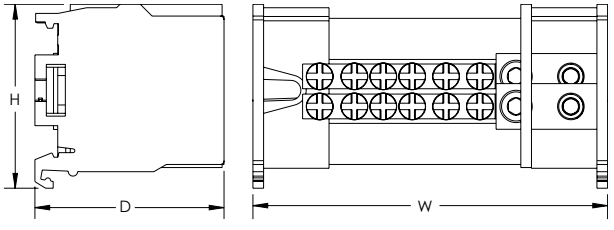
FEATURES

- Easy connections: Input separated from outputs
- Neutral bar: 125A and 160A
- Rail or screw mounting
- End large terminals: Safe connections
- New Design: solid bars provide reliability
- Improved Icc withstanding up to 35 KA
- Strong mechanical assembly

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



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 60947-7-1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
BD100125A	1.97	1.97	3.70	0.35	1
BD100125AL	1.97	1.97	6.38	0.60	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

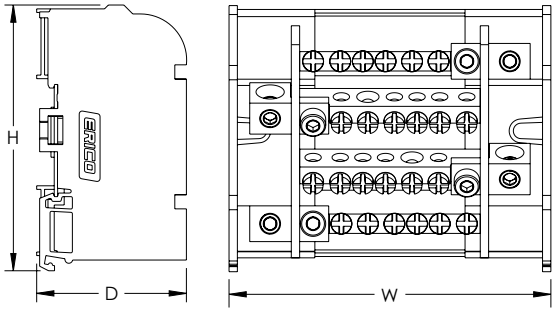
Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
BD100125A	1	10 – 35 mm²	10 – 35 mm²	6	(5) 2,5 – 6 mm² (1) 10 – 25 mm²	(5) 1,5 – 6 mm² (1) 6 – 16 mm²
BD100125AL	1	10 – 35 mm²	10 – 35 mm²	14	(11) 2,5 – 6 mm² (3) 10 – 25 mm²	(11) 1,5 – 6 mm² (3) 6 – 16 mm²

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 100/125 A



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 60947-7-1

EAC File No. 0234267

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

SPECIFICATIONS

- Material: Thermoplastic, Brass

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
TD100125A	1.97	3.54	4.29	0.73	1
TD100125AL	1.97	3.54	5.79	0.97	1
TD100125ALL	1.97	3.54	7.17	1.21	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)
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

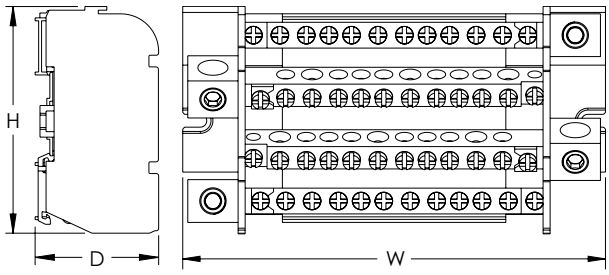
Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Stranded Wire Size - Ferrule	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule
TD100125A	1	10 – 35 mm^2	10 – 35 mm^2	6	(5) 2,5 – 6 mm^2 (1) 10 – 25 mm^2	(5) 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) 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 – 25 mm^2

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

TD COMPACT FOUR POLE DISTRIBUTION BLOCK, 160 A



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 60947-7-1
EAC File No. 0234267

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

SPECIFICATIONS

- Material: Thermoplastic, Brass

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
TD160A	1.97	3.54	6.89	1.34	1
TD160AL	2.76	3.54	6.69	1.63	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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

FOUR-POLE DISTRIBUTION BLOCKS - TDL

FEATURES

- Easy connections: Input separated from outputs
- End large terminals: Safe connections
- Easy input connection: ERIFLEX FLEXIBAR - IBS - Cable
- Wiring from Both sides
- Tinned Copper Bars : Copper or Aluminum Cables
- Visual inspection of wire and confirmation of connection
- New Design: solid bars provide reliability
- Strong mechanical assembly
- IP 10 hand safe
- High % of Fill Ratio
- Easy fixing: clip on din rail or mount to panel with screws
- Halogen Free

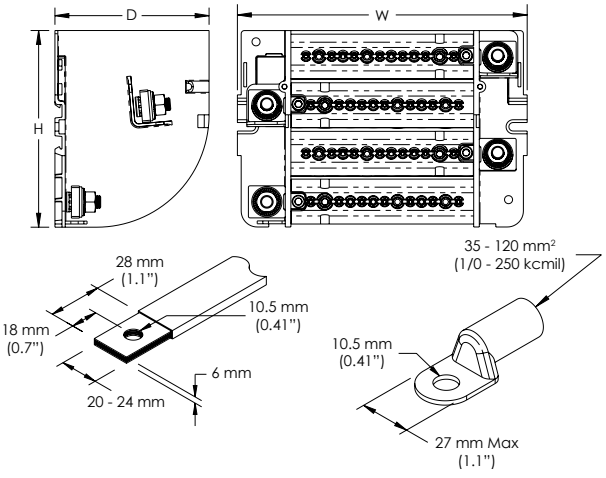
TDL COMPACT FOUR POLE DISTRIBUTION BLOCK, 400 A

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
Flammability Rating: UL 94V-0

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

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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
TDL400A	4.75	6.14	8.82	3.73	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	Line Side Stranded Wire Size - Ferrule	Line Side Wire Size	Load Side Number of Connections	Load SideCompact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
1	35 – 120 mm^2	20 – 24 mm	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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

FOUR-POLE DISTRIBUTION BLOCKS - TR, TRC, TRS

FEATURES

- A complete range from 125 A to 630 A
- Transparent protection cover
- Large accessibility for wiring
- Pre-assembled
- Self Extinguishing: UL94 V-0

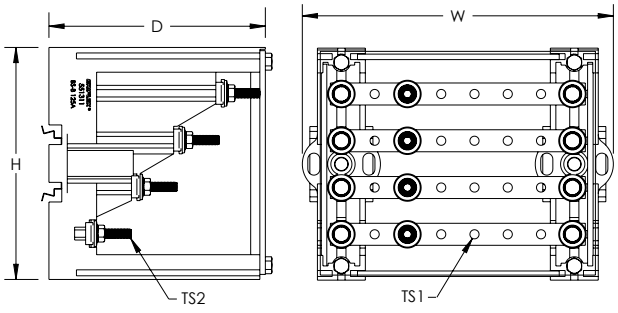
TR FOUR POLE DISTRIBUTION BLOCK, 125 A

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

SPECIFICATIONS

- Material: Copper, Glass Fibre Reinforced Polyamide, Plexiglass



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 61439.1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
TR125A	4.61	4.96	5.91	1.51	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	Thread Size 1 (TS1)	Thread Size 2 (TS2)
1	5	M5	M6

Thread Size 2 represents input plug.

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

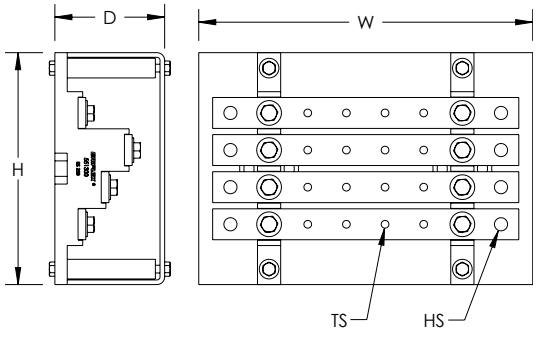
TR FOUR POLE DISTRIBUTION BLOCK, 250 A

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

SPECIFICATIONS

- Material: Copper, Glass Fibre Reinforced Polyamide, Plexiglass



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 61439.1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
TR250A	2.68	5.91	9.06	2.87	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	Hole Size (HS)	Thread Size (TS)
2	4	0.31	M6

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

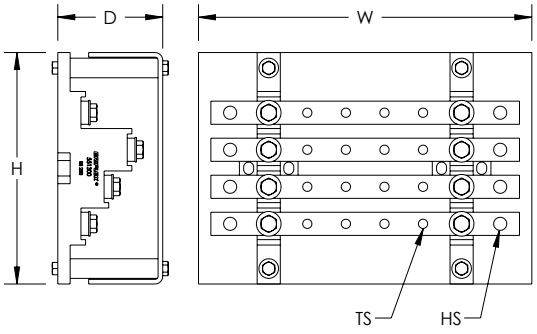
TRS FOUR POLE DISTRIBUTION BLOCK, 160 A

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

SPECIFICATIONS

- Material: Copper, Glass Fibre Reinforced Polyamide, Plexiglass



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 61439.1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
TRS160A	2.68	5.91	9.06	2.54	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	Hole Size (HS)	Thread Size (TS)
2	4	0.31	M6

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

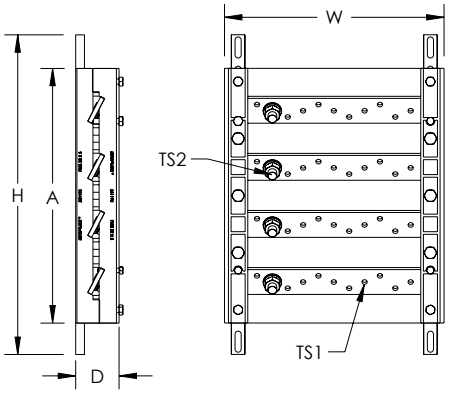
TRC FOUR POLE DISTRIBUTION BLOCK, 400 A

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

SPECIFICATIONS

- Material: Copper, Glass Fibre Reinforced Polyamide, Plexiglass



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 61439.1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
TRC400A	1.97	13.31 – 15.35	10.24	11.42	5.84	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	Thread Size 1 (TS1)	Thread Size 2 (TS2)
1	10	M6	M10

Thread Size 2 represents input plug.

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

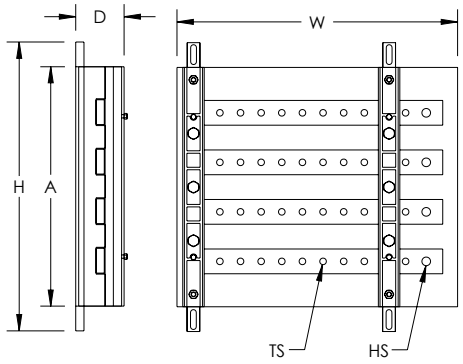
TRC FOUR POLE DISTRIBUTION BLOCK, 630 A

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

SPECIFICATIONS

- Material: Copper, Glass Fibre Reinforced Polyamide, Plexiglass



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

IEC 61439.1
EAC File No. 0234267

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
TRC630A	2.36	13.31 – 15.35	13.39	11.42	10.58	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	Hole Size (HS)	Thread Size (TS)
1	8	0.39	M8

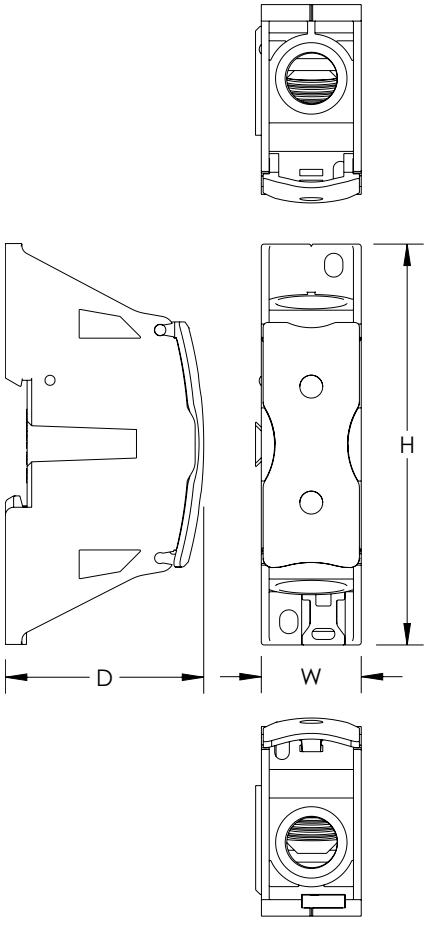
Line side and load side number of connections are per pole.

POWER BLOCKS - SB SERIES

FEATURES

ERIFLEX Power Blocks are the main DIN mounted input/output devices for connection between primary and secondary switchboard. They also are the main input/output connection for machine or industrial equipment such as inverters, air conditioned machines, etc. The high short circuit rated, large cross section blocks offer time savings and reliability in every panel configuration. The complete power blocks range offers multiple connection possibilities with one cable, two cables, ERIFLEX FLEXIBAR, and IBSB/IBSBR power braids and can be connected with copper or aluminum conductors.

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)
Flammability Rating: UL 94V-0
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

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

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

FINISH

- Tinned

Unit Dimensions

Catalog Number	Material	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
SB80	Copper, Thermoplastic	1.65	3.30	0.68	0.10	1
SB80AL	Aluminum, Thermoplastic	1.65	3.30	0.68	0.08	1
SB125	Copper, Thermoplastic	1.85	3.30	0.80	0.15	1
SB125AL	Aluminum, Thermoplastic	1.85	3.30	0.80	0.10	1
SB160	Copper, Thermoplastic	2.16	4.37	1.09	0.40	1
SB160AL	Aluminum, Thermoplastic	2.16	4.37	1.09	0.22	1
SB250	Copper, Thermoplastic	2.28	4.37	1.24	0.66	1
SB250AL	Aluminum, Thermoplastic	2.28	4.37	1.24	0.29	1
SB400	Copper, Thermoplastic	3.23	5.76	1.63	1.13	1
SB400AL	Aluminum, Thermoplastic	3.23	5.76	1.63	0.55	1
SB630	Copper, Thermoplastic	3.52	6.87	2.13	2.64	1
SB630AL	Aluminum, Thermoplastic	3.52	6.87	2.13	1.29	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

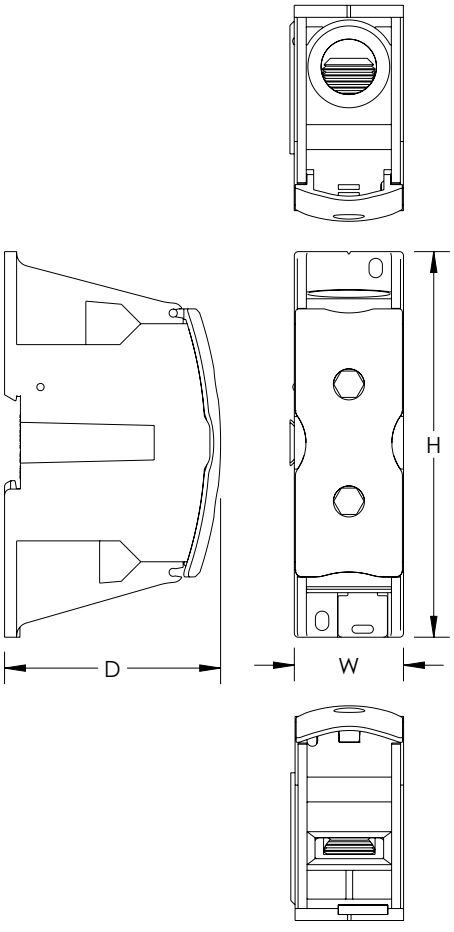
Catalog Number	Line Side Number of Connections	Line Side Compact Stranded Wire Size	Line Side Solid Wire Size	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Solid Wire Size
SB80	1	6 – 16 mm^2 #16 – #4	2.5-6 mm^2 #16-#10	1	6 - 16 mm^2 #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	–
SB630AL	1	240 – 500 mm^2 400 – 1,000 kcmil	–	1	240 - 500 mm^2 400 – 1,000 kcmil	240 - 500 mm^2	–

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*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

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

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

FINISH

- Tinned

Unit Dimensions

Catalog Number	Material	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
SBF400	Copper, Thermoplastic	3.23	5.76	1.63	1.23	1
SBF400AL	Aluminum, Thermoplastic	3.23	5.76	1.63	0.59	1
SBF630	Copper, Thermoplastic	3.52	6.87	2.13	3.07	1
SBF630AL	Aluminum, Thermoplastic	3.52	6.87	2.13	1.41	1

Electrical Data

Catalog Number	Max Current Rating, FLEXIBAR, IEC	Max Current Rating, FLEXIBAR, UL	Max Current Rating, Insulated Power Braid, IEC	Max Current Rating, Insulated Power Braid, UL	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 ERIFLEX FLEXIBAR Size

Catalog Number	Number of Layers	Conductor Width	Lamination Thickness
SBF400	2 - 5	20 - 24 mm	1 mm
SBF400AL	2 - 5	20 - 24 mm	1 mm
SBF630	2 - 8	20 - 32 mm	1 mm
SBF630AL	2 - 8	20 - 32 mm	1 mm

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

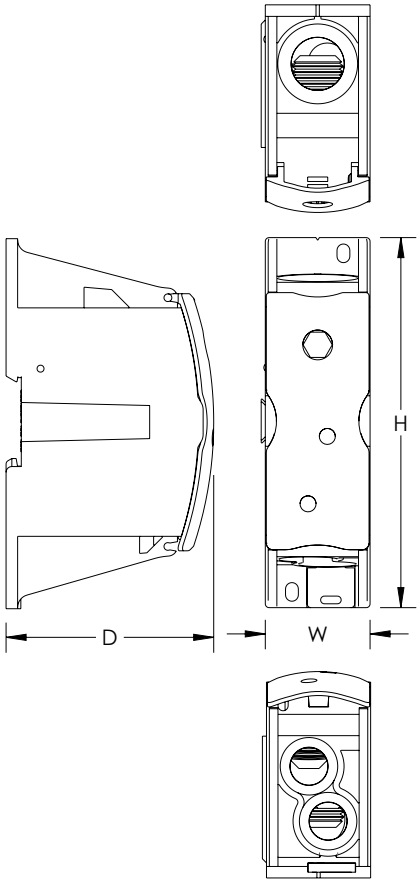
Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

CABLE TO TWO CABLES 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

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

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

Unit Dimensions

Catalog Number	Material	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
SB2C400	Copper, Thermoplastic	3.23	5.76	1.63	1.61	1
SB2C400AL	Aluminum, Thermoplastic	3.23	5.76	1.63	0.66	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 VDC	1,000 VAC/DC
SB2C400AL	670 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 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

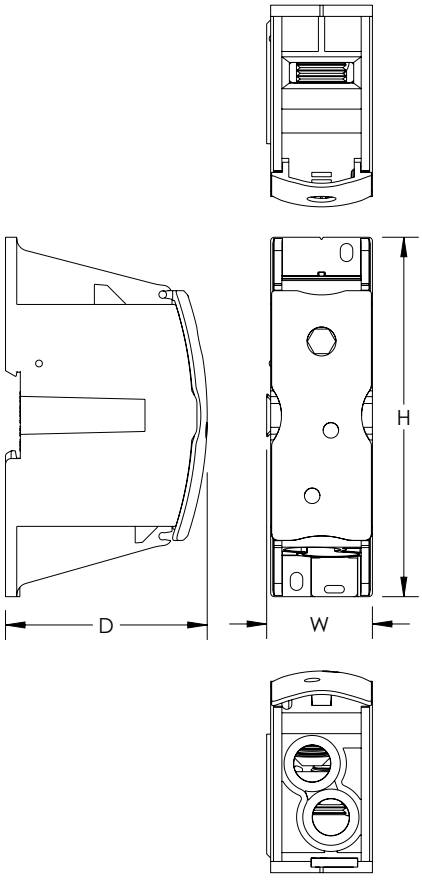
Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*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

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

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

Unit Dimensions

Catalog Number	Material	Depth D (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
SBF2C400	Copper, Thermoplastic	3.23	5.76	1.63	1.67	1
SBF2C400AL	Aluminum, Thermoplastic	3.23	5.76	1.63	0.74	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

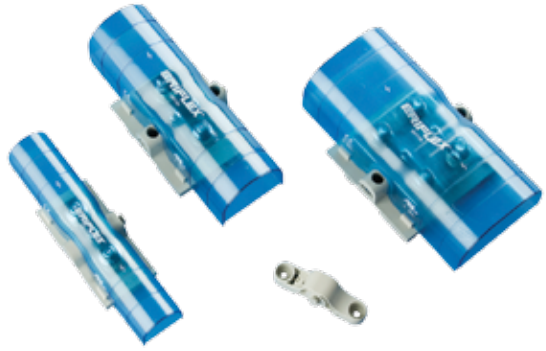
Catalog Number	Line Side Number of Connections	Line Side Insulated Power Braid Cross Section	Load Side Number of Connections	Load Side Compact Stranded Wire Size	Load Side Stranded Wire Size - Ferrule	Load Side Wire Size
SBF2C400	1	100 mm^2	2	(2) 35 - 120 mm^2	(2) 35 - 120 mm^2	(2) #2 – 250 kcmil
SBF2C400AL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

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

POWER TERMINALS - SBLL SERIES



FEATURES

- Tinned Copper Bar
- Visual inspection of wire and confirmation of connection
- Quick connection with studs
- Easy connection on ERIFLEX FLEXIBAR
- Adjustable transparent cover
- Halogen Free
- Self extinguishing: UL94 V-1
- Easy fixing: clip on din rail with end cap or mount to panel with screws
- Short Circuit Rated up to 100 KA - See UL file E198301

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 Flammability Rating: UL 94V-1 SCCR Rating: 10kA SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
EAC File No. 0234267

FEATURES

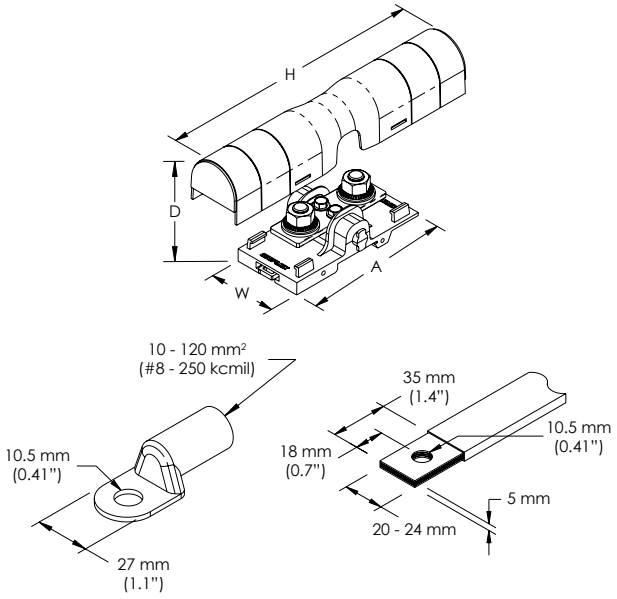
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs allow for easy connection of sections of ERIFLEX FLEXIBAR or other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building 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

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBLL250	2.56	8.10	2.06	4.25	0.35	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)
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

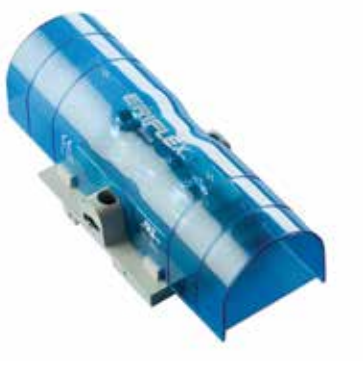
Number of Stud Connections	Stud Connection Conductor Width	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size
2	20 – 24 mm	10 – 120 mm²	#8 - 250 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*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
Flammability Rating: UL 94V-1
SCCR Rating: 10kA
SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
EAC File No. 0234267

FEATURES

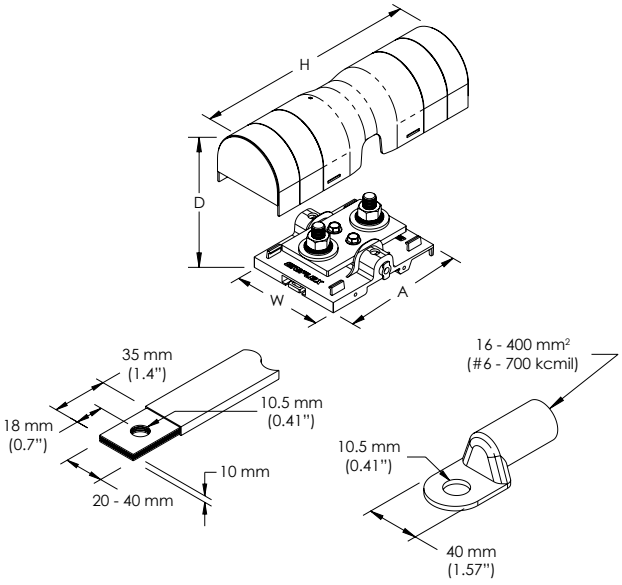
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs allow for easy connection of sections of ERIFLEX FLEXIBAR or other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building 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

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBLL500	2.56	8.10	3.35	4.25	0.75	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 VDC	1,000 VDC

Line and Load Connections and Wire Size

Number of Stud Connections	Stud Connection Conductor Width	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size
2	20 – 40 mm	16 – 400 mm²	#6 - 700 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*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
Flammability Rating: UL 94V-1
SCCR Rating: 10kA
SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
EAC File No. 0234267

FEATURES

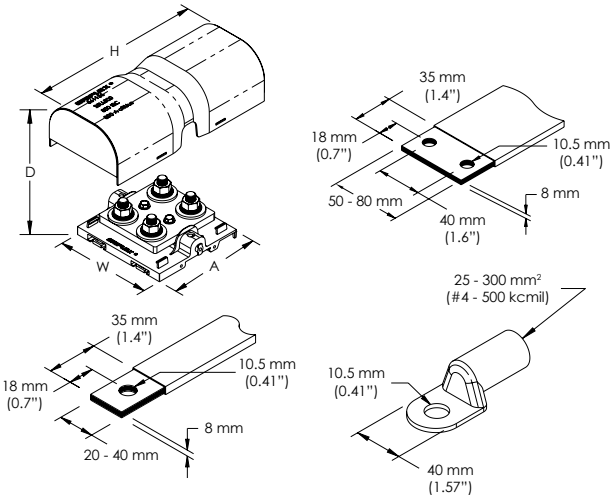
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs allow for easy connection of sections of ERIFLEX FLEXIBAR or other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building 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

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBLL800	2.95	8.10	4.53	4.25	1.54	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	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size
4	(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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

POWER TERMINALS - SBLT SERIES

FEATURES

- Tinned Copper Block : Copper or Aluminum Cables
- Visual inspection of wire and confirmation of connection
- Quick connection with studs or tunnel
- Easy connection on ERIFLEX FLEXIBAR or Cable
- Adjustable transparent cover
- Halogen Free
- Self extinguishing: UL94 V-1
- Easy fixing: clip on din rail with end cap or mount to panel with screws
- Short Circuit Rated up to 100 KA. See UL file E198301.

SBLT250 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 Flammability Rating: UL 94V-1 SCCR Rating: 10kA SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
EAC File No. 0234267

FEATURES

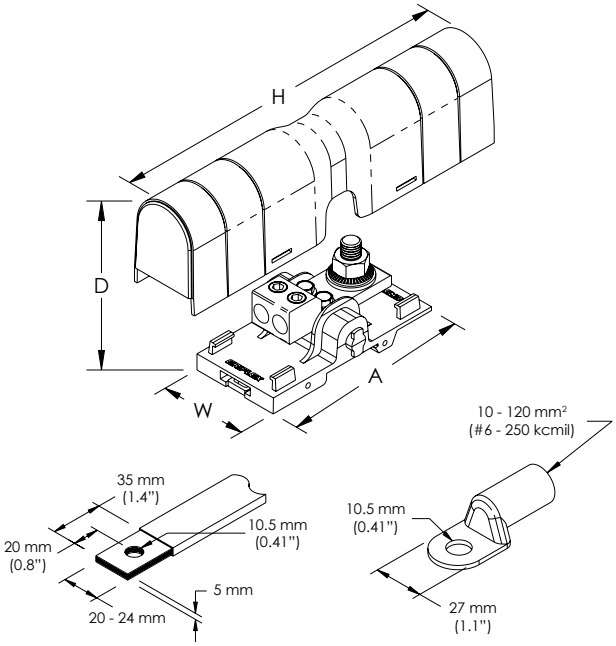
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building 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

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBLT250	2.56	8.10	2.10	4.25	0.6	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	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	20 – 24 mm	10 – 120 mm²	#6 - 250 kcmil	2	(2) 10 – 50 mm²	(2) 10 – 35 mm²	(2) #8 – 1/0

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

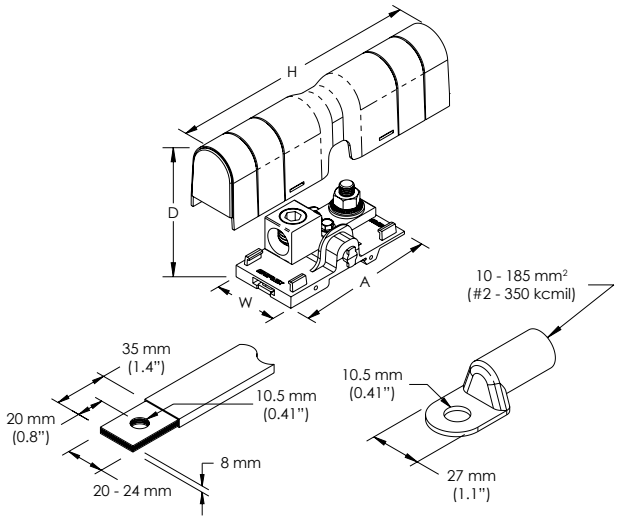
SBLT350 LUG-TO-TUNNEL POWER TERMINAL

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
Flammability Rating: UL 94V-1
SCCR Rating: 10kA
SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBLT350	2.56	8.10	2.10	4.25	0.77	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	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	20 – 24 mm	10 – 185 mm²	#2 - 350 kcmil	1	35 – 185 mm²	35 – 150 mm²	#2 – 350 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

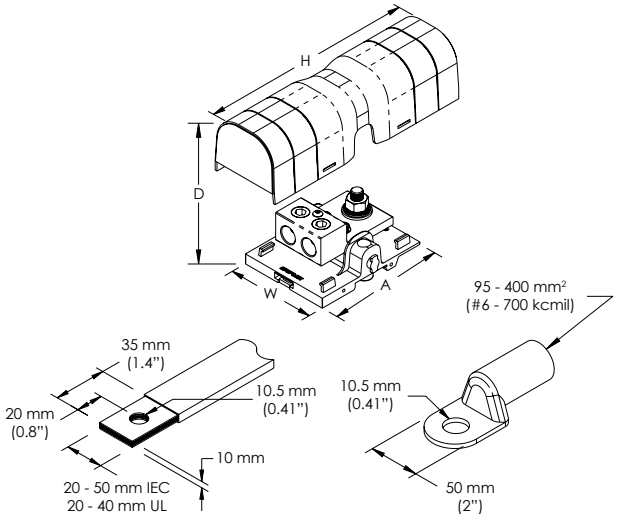
SBLT500 LUG-TO-TUNNEL POWER TERMINAL

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
Flammability Rating: UL 94V-1
SCCR Rating: 10kA
SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBLT500	2.60	8.10	3.35	4.25	1.34	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	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	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	20 – 50 mm IEC 20 – 40 mm UL	95 – 400 mm²	#6 - 700 kcmil	2	(2) 16 – 120 mm²	(2) 16 – 120 mm²	(2) #6 – 250 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*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
Flammability Rating: UL 94V-1
SCCR Rating: 10kA
SCCR Rating if fused per UL file E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
EAC File No. 0234267

FEATURES

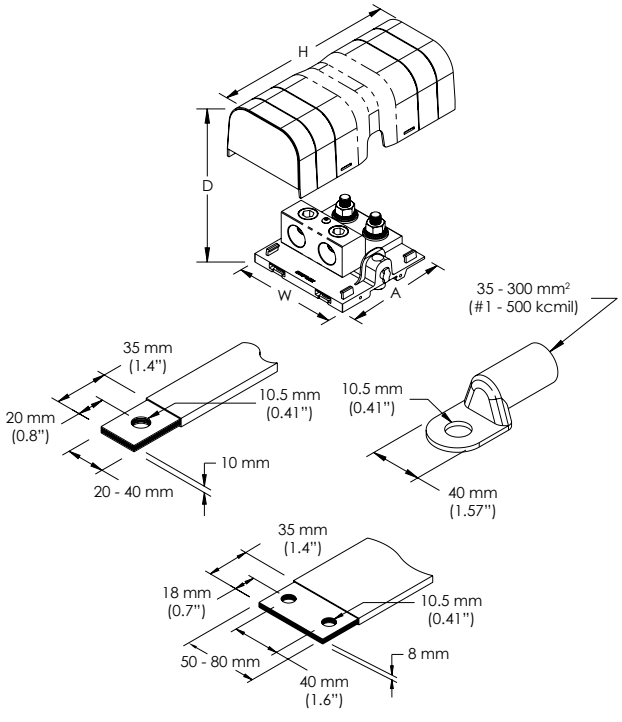
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building 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

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBLT800	2.95	8.10	4.53	4.25	2.40	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)
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

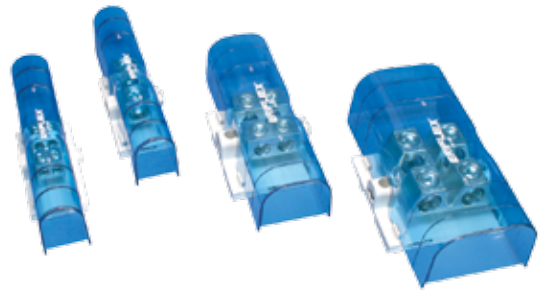
Number of Stud Connections	Stud Connection Conductor Width	Stud Connection Compact Stranded Wire Size	Stud Connection Wire Size	Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
2	(2) 20 – 40 mm (1) 50 – 80 mm	(2) 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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

POWER TERMINALS - SBTT SERIES



FEATURES

- Tinned Copper Block : Copper or Aluminum Cables
- Visual inspection of wire and confirmation of connection
- Quick connection with studs or tunnel
- Easy connection on ERIFLEX FLEXIBAR or Cable
- Adjustable transparent cover
- Halogen Free
- Self extinguishing: UL94 V-1
- Easy fixing: clip on din rail with end cap or mount to panel with screws
- Short Circuit Rated up to 100 KA. See UL file E198301.

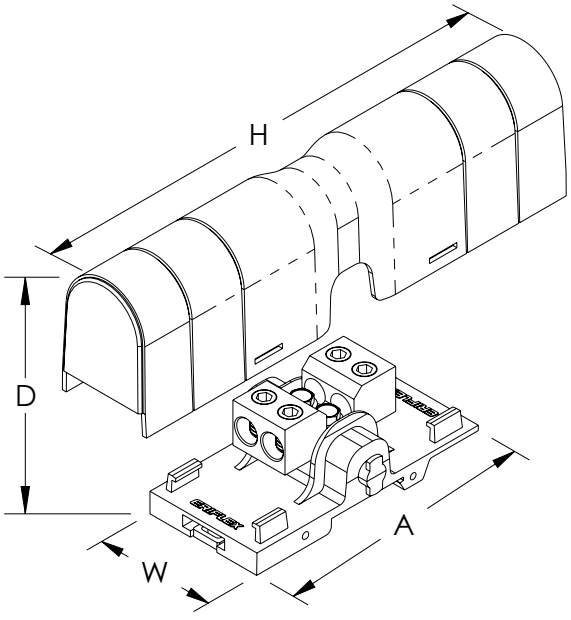
SBTT250 TUNNEL-TO-TUNNEL POWER TERMINAL

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 Flammability Rating: UL 94V-1 SCCR Rating: 10kA SCCR Rating if fused per UL File E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBTT250	2.60	8.10	2.10	4.25	0.57	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 Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
4	(4) 10 – 50 mm²	(4) 10 – 35 mm²	(4) #8 – 1/0

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*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
Flammability Rating: UL 94V-1
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
IEC 60947-7-1
EAC File No. 0234267

FEATURES

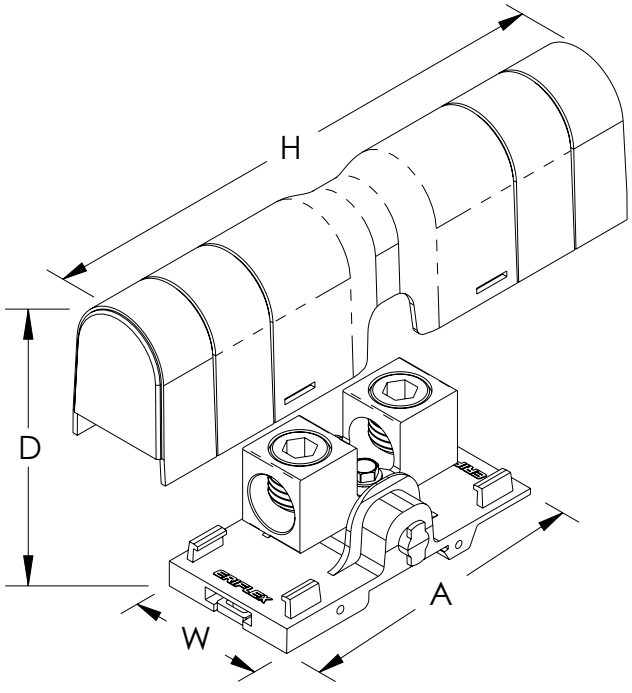
- Tinned copper block allows for copper or aluminum conductor connections
- Accessible studs and tunnels allow for easy connection of ERIFLEX FLEXIBAR and other conductors
- Design allows for visual inspection of conductor and confirmation of connection
- Adjustable transparent cover
- Gangable for building 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

SPECIFICATIONS

- Material: Copper, Thermoplastic

FINISH

- Finish: Tinned



Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBTT350	2.60	8.10	2.10	4.25	0.73	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 (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

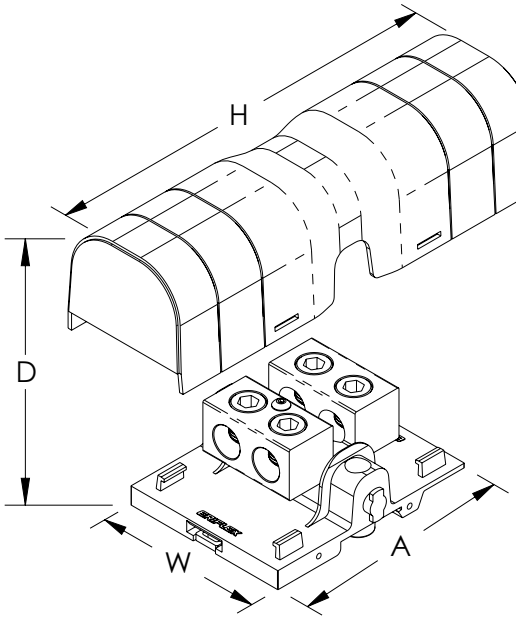
SBTT500 TUNNEL-TO-TUNNEL POWER TERMINAL

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
Flammability Rating: UL 94V-1
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBTT500	2.60	8.10	3.35	4.25	1.32	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 mm²	(4) 16 – 120 mm²	(4) #6 – 250 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

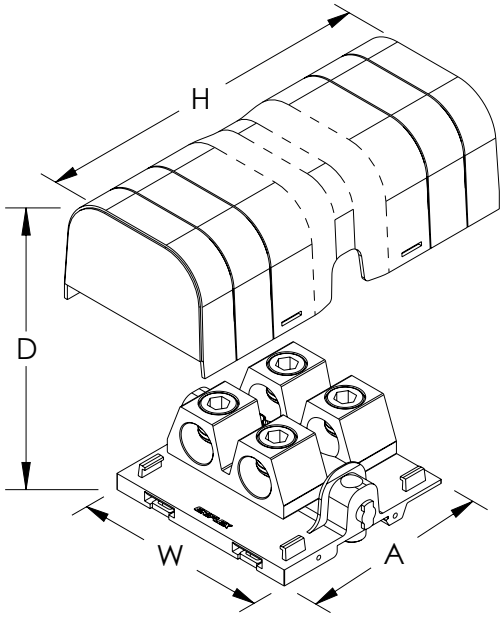
SBTT800 TUNNEL-TO-TUNNEL POWER TERMINAL

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
Flammability Rating: UL 94V-1
SCCR Rating: 10kA
SCCR Rating if fused per UL File E198301: 100kA

CSA C22.2 No. 158-10 Certificate No. 70044370
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

Unit Dimensions

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Unit Weight (lb.)	Qty.
SBTT800	2.95	8.10	4.53	4.25	2.29	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

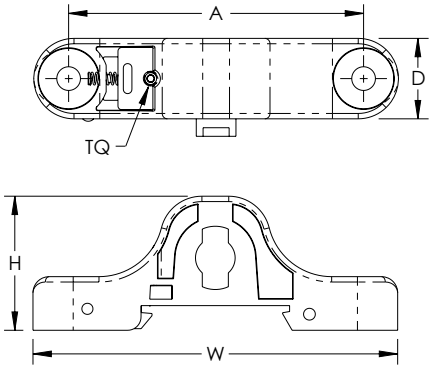
Number of Tunnel Connections	Tunnel Connection Compact Stranded Wire Size	Tunnel Connection Wire Size - Ferrule	Tunnel Connection Wire Size
4	(4) 95 – 240 mm²	(4) 50 – 185 mm²	(4) 3/0 – 500 kcmil

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals

Derating according to Ambient* Temperature (°F) to maintain working temperature of 185°F										
Ambient Temperature (°F)	86°	95°	104°	113°	122°	131°	140°	149°	158°	167°
Derating Coefficient (d)	1	1	1	0.94	0.88	0.82	0.75	0.67	0.58	0.47

*environment around the terminal blocks inside the enclosure

SBLEC POWER TERMINALS FIXING ACCESSORY



INDUSTRY STANDARDS

Flammability Rating UL 94V-0

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

SPECIFICATIONS

- Material: Thermoplastic

Catalog Number	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	Torque TQ (in-lb)	Unit Weight (lb.)	Qty.
SBLEC	0.75	1.25	3.40	2.75	5.00	0.02	1

TN-C/TN-S NETWORKS SOLUTION

FEATURES

- Application: dedicated product allowing separation from PEN to PE+N
- Composition : safe disconnectable system
- Clear identification
- Prevent measurement errors
- Avoid reconnection errors
- Complies to requests from inspection bodies
- Screen stickers included in 12 languages

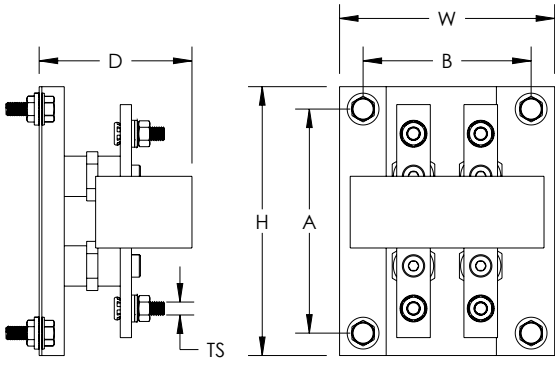
DISCONNECTABLE PEN SYSTEM

INDUSTRY STANDARDS

Complies With: IEC 60439.1, IEC 61439.1

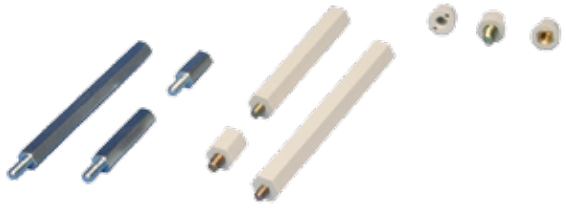
FEATURES

- 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



Catalog Number	Max Current Rating, IEC	Thread Size TS	Busbar Width (in.)	Busbar Thickness (in.)	Depth D (in.)	Height H (in.)	Width W (in.)	A (in.)	B (in.)	Qty.
PEND75	125 A	M6	0.59	0.20	2.69	4.72	3.78	3.94	2.95	1
PEND100	250 A	M8	0.79	0.20	2.69	6.69	5.04	3.94	4.43	1
PEND300	630 A	M10	1.18	0.39	3.08	6.69	5.04	3.94	4.43	1

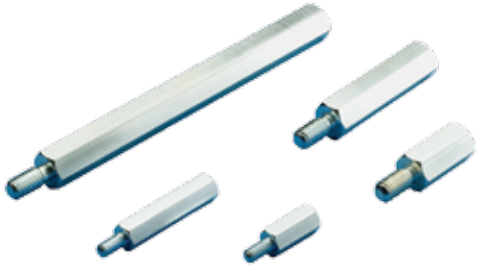
SPACERS AND ACCESSORIES



FEATURES

- A complete range of accessories for easy distribution block assembly

DMH METALLIC SPACER



FEATURES

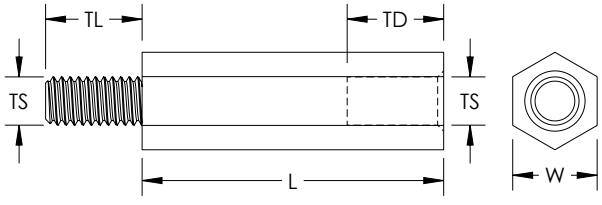
- To make higher plates, screens or profiles
- Male-female allowing stable mounting

SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized



Catalog Number	Thread Size TS	Thread Length TL (in.)	Thread Depth TD (in.)	Length L (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
DMHM4X10	M4	0.31	0.39	0.394	0.276	0.007	100
DMHM4X15	M4	0.31	0.39	0.591	0.276	0.011	100
DMHM4X20	M4	0.31	0.39	0.787	0.276	0.015	100
DMHM4X25	M4	0.31	0.39	0.984	0.276	0.018	50
DMHM4X30	M4	0.31	0.39	1.181	0.276	0.022	50
DMHM4X35	M4	0.31	0.39	1.378	0.276	0.026	50
DMHM4X40	M4	0.31	0.39	1.575	0.276	0.028	50
DMHM4X50	M4	0.31	0.39	1.969	0.276	0.037	50
DMHM4X60	M4	0.31	0.39	2.362	0.276	0.042	25
DMHM5X15	M5	0.39	0.39	0.591	0.315	0.013	50
DMHM5X20	M5	0.39	0.39	0.787	0.315	0.018	50
DMHM5X25	M5	0.39	0.39	0.984	0.315	0.022	50
DMHM5X30	M5	0.39	0.39	1.181	0.315	0.026	50
DMHM5X35	M5	0.39	0.39	1.378	0.315	0.031	25
DMHM5X40	M5	0.39	0.39	1.575	0.315	0.035	25
DMHM5X50	M5	0.39	0.39	1.969	0.315	0.049	25
DMHM5X60	M5	0.39	0.39	2.362	0.315	0.06	25
DMHM5X70	M5	0.39	0.39	2.756	0.315	0.064	25
DMHM5X80	M5	0.39	0.39	3.15	0.315	0.073	25
DMHM6X15	M6	0.39	0.39	0.591	0.315	0.022	50

Catalog Number	Thread Size TS	Thread Length TL (in.)	Thread Depth TD (in.)	Length L (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
DMHM6X20	M6	0.47	0.47	0.787	0.315	0.026	50
DMHM6X30	M6	0.47	0.47	1.181	0.315	0.04	25
DMHM6X40	M6	0.47	0.47	1.575	0.315	0.055	25
DMHM6X50	M6	0.47	0.47	1.969	0.315	0.071	25
DMHM6X60	M6	0.47	0.47	2.362	0.315	0.084	25
DMHM6X70	M6	0.47	0.47	2.756	0.315	0.095	25
DMHM6X80	M6	0.47	0.47	3.15	0.315	0.115	25
DMHM6X90	M6	0.47	0.47	3.543	0.315	0.128	25
DMHM6X100	M6	0.47	0.47	3.937	0.315	0.141	10

DH DISTANCE HOLDER AND SPACER

FEATURES

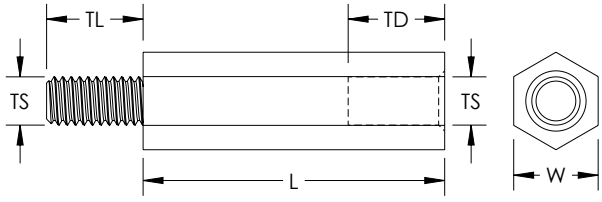
- To make higher plates, screens or profiles
- Male-female allowing stable mounting
- Electrotechnical applications

SPECIFICATIONS

- Insulation Voltage: 1,000 V
- Temperature: 176 °F Max
- Material: Polystyrene, Steel

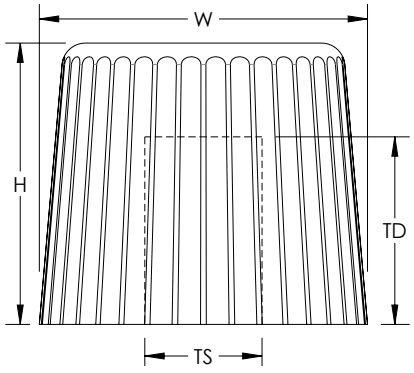
FINISH

- Finish: Electrogalvanized



Catalog Number	Thread Size TS	Thread Length TL (in.)	Thread Depth TD (in.)	Length L (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
DH15M5	M5	0.28	0.28	0.591	0.512	0.009	100
DH20M5	M5	0.28	0.28	0.787	0.512	0.011	100
DH30M5	M5	0.28	0.28	1.181	0.512	0.013	100
DH45M5	M5	0.28	0.28	1.772	0.512	0.02	100
DH55M5	M5	0.28	0.28	2.165	0.512	0.024	100
DH70M5	M5	0.28	0.28	2.756	0.512	0.031	100
DH85M5	M5	0.28	0.28	3.346	0.512	0.037	100
DH120M5	M5	0.28	0.28	4.724	0.512	0.053	100
DH15M6	M6	0.28	0.31	0.591	0.512	0.009	100
DH20M6	M6	0.28	0.31	0.787	0.512	0.011	100
DH30M6	M6	0.28	0.31	1.181	0.512	0.02	100
DH45M6	M6	0.28	0.31	1.772	0.512	0.029	100
DH70M6	M6	0.28	0.31	2.756	0.512	0.044	100
DH120M6	M6	0.28	0.31	4.724	0.512	0.077	100

CAPN CAP NUT



SPECIFICATIONS

- Material: Polystyrene or polystyrene and brass

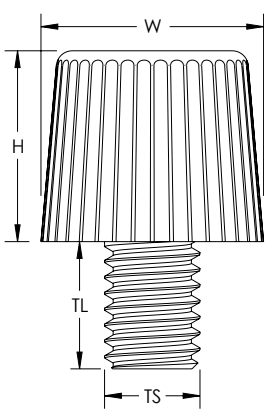
Material: Polystyrene

Catalog Number	Thread Size TS	Thread Depth TD (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
CAPCAPN5	M5	0.31	0.47	0.55	0.002	100
CAPCAPN6	M6	0.31	0.47	0.55	0.002	100

Material: Polystyrene, Brass

Catalog Number	Thread Size TS	Thread Depth TD (in.)	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
CAPCAPN15	M5	0.31	0.47	0.55	0.007	100
CAPCAPN16	M6	0.31	0.47	0.55	0.007	100

CAPB CAP NUT WITH THREADED STUD



SPECIFICATIONS

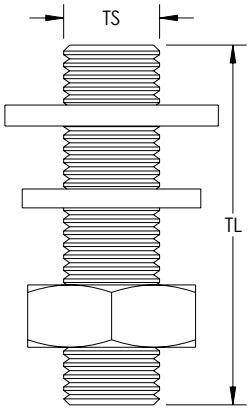
- Material: Polystyrene and steel

FINISH

Electrogalvanized

Catalog Number	Thread Size TS	Thread Length (in.) TL	Height H (in.)	Width W (in.)	Unit Weight (lb.)	Qty.
CAPCAPB5	M5	0.31	0.47	0.55	0.009	100
CAPCAPB6	M6	0.31	0.47	0.55	0.009	100

ISOBOLT LOW VOLTAGE INSULATOR MOUNTING KIT



FEATURES

- Includes threaded stud, washer, lock washer and nut

SPECIFICATIONS

- Material: Steel

FINISH

- Finish: Electrogalvanized

Catalog Number	Thread Size TS	Thread Length TL	Qty.
ISOBOLT25M6	M6	1	20
ISOBOLT30M8	M8	1.18	20