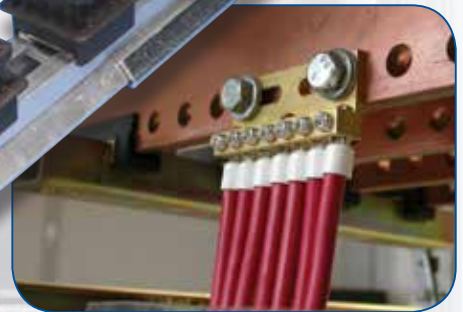
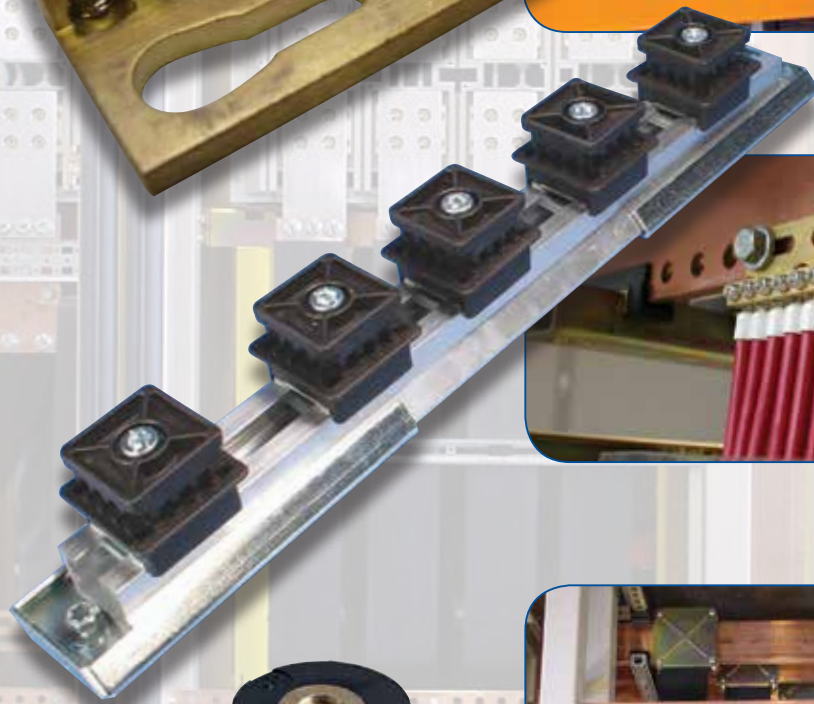
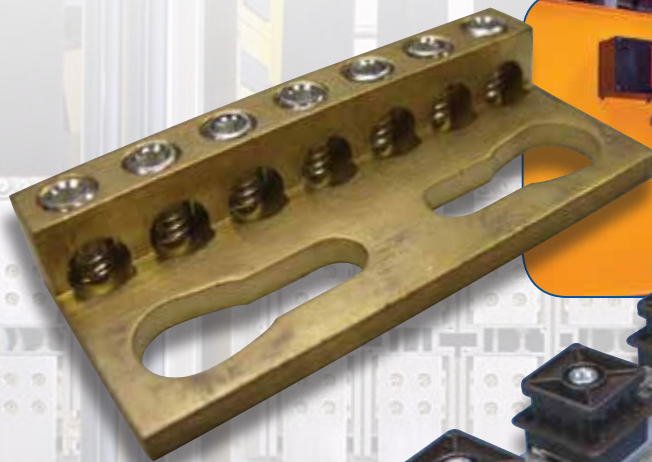


# SOLUTIONS FOR ELECTRICAL POWER & GROUND CONNECTIONS

(NORTH AMERICA)

- *Insulators*
- *Busbar Supports*
- *Connecting Clamps*
- *Grounding Products*
- *Cabling Sleeves*



**WARNING**

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

|                                                                                    |                                                    |       |
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## Advantages and Markets

### The Pentair Advantages

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



### Energy

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

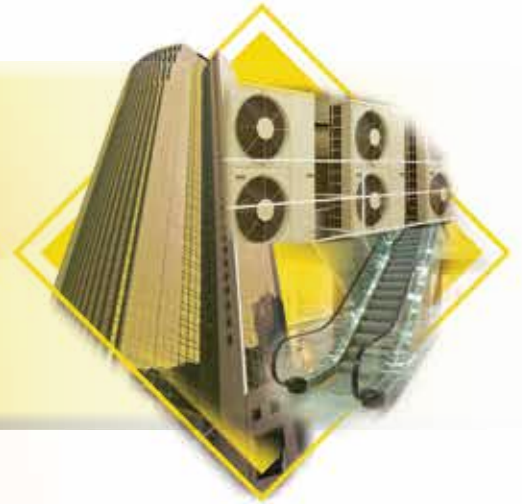


### Transportation

- Marine
- Aircraft
- Ground Transportation
- Automotive

## Industry & Buildings

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



## Panelboard

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



## Machinery

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



## Tests & Certificates

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

## Worldwide Certification

UL®

CE

IEC

GOST



## Agency/Standard Approvals



IEC 60439.1 Standard  
IEC 61439.1 Standard



Underwriters Laboratories  
UL Recognized, File No. E125470  
UL Recognized, File No. E322841



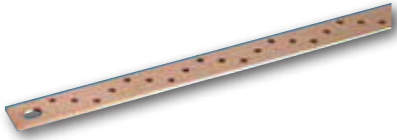
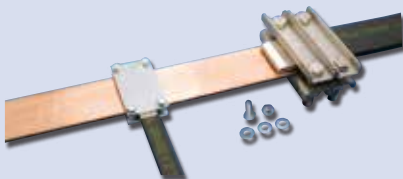
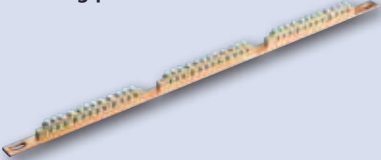
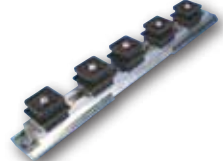
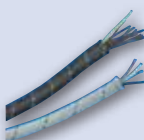
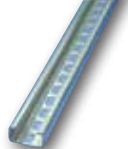
International Electrotechnical Association



GOST  
Certificate compliance for Russia

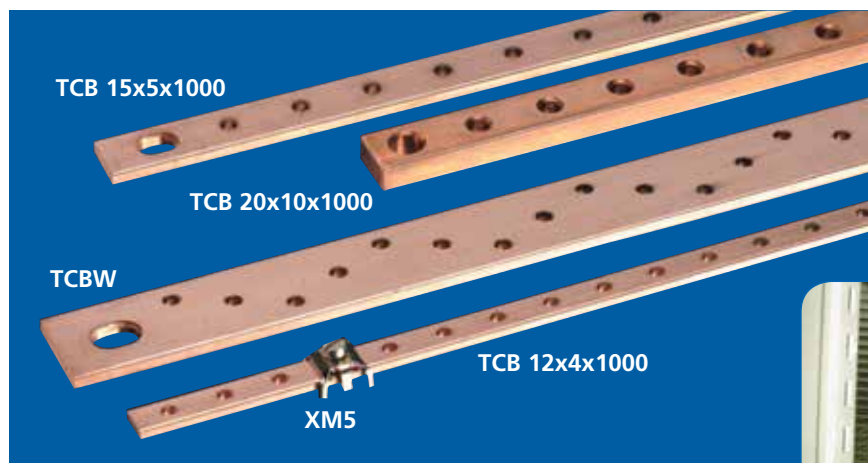


RoHS Compliant

| Product Range                                                                                                          | Typical Uses                                                                                                                                                                                                                                                                               | Typical Market                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Copper busbars</b><br>             | <ul style="list-style-type: none"> <li>• Heavy-duty power connection</li> <li>• Circuit breaker, generator &amp; prefabricated power network conductor</li> <li>• Alternative to large &amp; multiple cables</li> <li>• Earth / ground connection</li> <li>• Power distribution</li> </ul> | <ul style="list-style-type: none"> <li>• Power distribution switchgear</li> <li>• Marine transportation</li> <li>• Machinery manufacturing</li> <li>• Busduct</li> <li>• Power generation</li> </ul>  |
| <b>Connecting clamps</b><br>          | <ul style="list-style-type: none"> <li>• Heavy-duty power connection</li> <li>• Connection between busbar / flexible busbar / cable</li> <li>• Power distribution</li> <li>• "On site" installation / modification</li> </ul>                                                              | <ul style="list-style-type: none"> <li>• Power distribution switchgear</li> <li>• Power generation</li> <li>• Telecom</li> <li>• Machinery manufacturing</li> <li>• Busduct</li> </ul>                |
| <b>Universal connecting bar</b><br>   | <ul style="list-style-type: none"> <li>• 450A power distribution bar</li> <li>• Unipolar distribution from busbar to cable</li> <li>• "On site" installation / modification</li> </ul>                                                                                                     | <ul style="list-style-type: none"> <li>• Power distribution switchgear</li> <li>• Telecom</li> <li>• Machinery manufacturing</li> <li>• Industry &amp; buildings</li> </ul>                           |
| <b>Grounding parts</b><br>           | <ul style="list-style-type: none"> <li>• Power, earthing/grounding and equipotential connections</li> <li>• Numerous connections</li> <li>• Electrical bonding interconnection</li> </ul>                                                                                                  | <ul style="list-style-type: none"> <li>• Switchgear &amp; control equipment</li> <li>• Electrical equipment manufacturers</li> <li>• Power generation (Wind, solar)</li> <li>• Data center</li> </ul> |
| <b>Busbar supports</b><br>          | <ul style="list-style-type: none"> <li>• Heavy-duty power connection support</li> <li>• Flat, on edge, inclined busbar support</li> <li>• Universal versatile support</li> <li>• Fixed or adjustable busbar support</li> </ul>                                                             | <ul style="list-style-type: none"> <li>• Power distribution switchgear</li> <li>• Marine transportation</li> <li>• Machinery manufacturing</li> <li>• Busduct</li> <li>• Power generation</li> </ul>  |
| <b>Spacer &amp; accessories</b><br> | <ul style="list-style-type: none"> <li>• Insulated or non-insulated spacer</li> <li>• Accessories for easy distribution block assembly</li> </ul>                                                                                                                                          | <ul style="list-style-type: none"> <li>• Power distribution switchgear</li> <li>• Machinery manufacturing</li> </ul>                                                                                  |
| <b>Insulators</b><br>               | <ul style="list-style-type: none"> <li>• Heavy-duty power connection insulator</li> <li>• Flat, on edge, busbar insulator</li> <li>• Universal versatile insulator</li> </ul>                                                                                                              | <ul style="list-style-type: none"> <li>• Power distribution switchgear</li> <li>• Marine transportation</li> <li>• Machinery manufacturing</li> </ul>                                                 |
| <b>Sleeves</b><br>                  | <ul style="list-style-type: none"> <li>• Expandable cabling sleeves</li> <li>• Wiring mechanical protection</li> <li>• Wiring temperature protection</li> </ul>                                                                                                                            | <ul style="list-style-type: none"> <li>• Switchgear &amp; control equipment</li> <li>• Transportation</li> <li>• Machinery manufacturing</li> </ul>                                                   |
| <b>Profiles</b><br>                 | <ul style="list-style-type: none"> <li>• Symmetric / asymmetric profiles</li> <li>• Perforated or non-perforated profiles</li> <li>• Rapid assembly of all kinds of frameworks</li> </ul>                                                                                                  | <ul style="list-style-type: none"> <li>• Switchgear &amp; control equipment</li> <li>• Transportation</li> <li>• Machinery manufacturing</li> </ul>                                                   |

# Copper Busbars

## Threaded Busbar



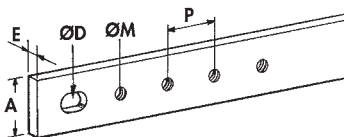
- Electrolytic copper
- Rounded corners
- Thickness: from 2 to 10 mm
- Length: from 1000 to 2000 mm



### TCB

..x 5 x 1000 mm

- Threaded Busbars
- Thickness 5 mm
- Threaded M5, M6
- Length 1000 mm



| Part No. | DESCRIPTION | A mm | E mm | P mm | ØD mm   | ØM | kg   |
|----------|-------------|------|------|------|---------|----|------|
| 549220   | TCB 12 x 5  | 12   | 5    | 18   | -       | M5 | 0.50 |
| 550210   | TCB 15 x 5  | 15   | 5    | 25   | 8 x 12  | M6 | 0.65 |
| 550220   | TCB 20 x 5  | 20   | 5    | 25   | 10 x 14 | M6 | 0.85 |
| 550230   | TCB 32 x 5  | 32   | 5    | 25   | 12 x 16 | M6 | 1.35 |

### TCB

..x 5 x 2000 mm

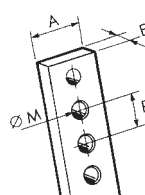
- Threaded Busbars
- Thickness 5 mm
- Threaded M6
- Length 2000 mm

| Part No. | DESCRIPTION | A mm | E mm | P mm | ØD mm   | ØM | kg   |
|----------|-------------|------|------|------|---------|----|------|
| 549000   | TCBS 15 x 5 | 15   | 5    | 17,5 | 8 x 12  | M6 | 1.19 |
| 549010   | TCB 20 x 5  | 20   | 5    | 25   | 10 x 14 | M6 | 1.67 |
| 549020   | TCB 30 x 5  | 30   | 5    | 25   | 12 x 16 | M6 | 2.50 |

### TCB

..x 2/4 x 1000 mm

- Threaded Busbars
- Thickness 2, 4 mm
- Threaded M5, M6, M8
- Length 1000 mm



| Part No. | DESCRIPTION       | A mm | E mm | P mm | ØD mm | kg    |
|----------|-------------------|------|------|------|-------|-------|
| 549230   | TCB 12 x 2 x 1000 | 12   | 2    | 18   | M5    | 0.300 |
| 550200   | TCB 12 x 4 x 1000 | 12   | 4    | 18   | M5    | 0.430 |
| 549200   | TCB 18 x 4 x 1000 | 18   | 4    | 20   | M8    | 0.600 |
| 549210   | TCB 25 x 4 x 1000 | 25   | 4    | 20   | M6    | 0.800 |

### TCB

12 x 4 x 2000 mm

- Threaded Busbars 12 x 4
- Thickness 4 mm
- Threaded M5
- Length 2000 mm

| Part No. | DESCRIPTION       | A mm | E mm | P mm | ØD mm | kg    |
|----------|-------------------|------|------|------|-------|-------|
| 550190   | TCB 12 x 4 x 2000 | 12   | 4    | 18   | M5    | 0.850 |

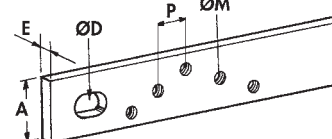
### Connector XM5

For 12 x 4 Threaded Busbars

| Part No. | DESCRIPTION   | kg    |
|----------|---------------|-------|
| 550250   | Connector XM5 | 0.010 |

### TCBW

- Threaded Busbars 32 x 5W
- Connections: 40% more
- Thickness 5 mm
- Threaded M6
- Length 2000 mm

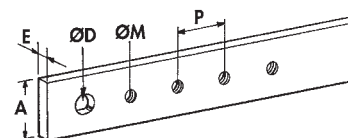


| Part No. | DESCRIPTION        | A mm | E mm | P mm | ØD mm   | ØM | kg   |
|----------|--------------------|------|------|------|---------|----|------|
| 549030   | TCBW 32 x 5 x 2000 | 32   | 5    | 17,5 | 12 x 16 | M6 | 2.65 |

### TCB

..x 10 x 1000/2000 mm

- Threaded Busbars
- Thickness 10 mm
- Threaded M8
- Length 1000 and 2000 mm



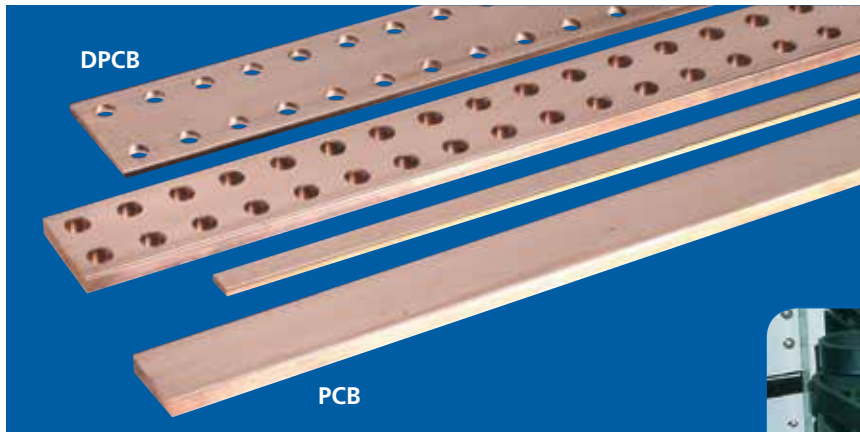
| Part No. | DESCRIPTION        | A mm | E mm | P mm | ØD mm | ØM | kg   |
|----------|--------------------|------|------|------|-------|----|------|
| 550290   | TCB 20 x 10 x 1000 | 20   | 10   | 25   | 10    | M8 | 1.67 |
| 550180   | TCB 30 x 10 x 1000 | 30   | 10   | 25   | 10    | M8 | 2.50 |

| Part No. | DESCRIPTION        | A mm | E mm | P mm | ØD mm | ØM | kg  |
|----------|--------------------|------|------|------|-------|----|-----|
| 550160   | TCB 30 x 10 x 2000 | 30   | 10   | 25   | 10    | M8 | 5.4 |

OTHER THREADED BARS ON REQUEST

Products on this page are world wide and are not UL® Recognized

## Punched and Plain Busbars



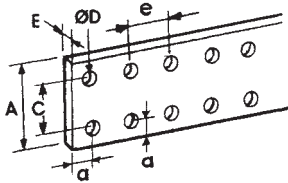
- Design and assembly time saving
- Current: up to 7400 A
- Thickness: from 4 to 10 mm
- Length: from 1000 to 4000 mm



### DPCB Punched Busbars

#### Thickness 5 mm

- Length 1750 mm
- Width 25 to 125 mm



| Part No. | DESCRIPTION  | A mm | C mm | a mm | e mm | ØD mm | kg   |
|----------|--------------|------|------|------|------|-------|------|
| 550400   | DPCB 25 x 5  | 25   |      | 12.5 | 25   | 10.5  | 1.40 |
| 550410   | DPCB 50 x 5  | 50   | 25   | 12.5 | 25   | 10.5  | 3.40 |
| 550420   | DPCB 63 x 5  | 63   | 38   | 12.5 | 25   | 10.5  | 4.40 |
| 550430   | DPCB 80 x 5  | 80   | 55   | 12.5 | 25   | 10.5  | 5.70 |
| 550440   | DPCB 100 x 5 | 100  | 75   | 12.5 | 25   | 10.5  | 7.25 |
| 550450   | DPCB 125 x 5 | 125  | 100  | 12.5 | 25   | 10.5  | 9.20 |

#### Thickness 10 mm

- Length 1750 mm
- Width 50 to 120 mm

| Part No. | DESCRIPTION   | A mm | C mm | a mm | e mm | ØD mm | kg   |
|----------|---------------|------|------|------|------|-------|------|
| 550350   | DPCB 50 x 10  | 50   | 25   | 12.5 | 25   | 10.5  | 6.8  |
| 550360   | DPCB 60 x 10  | 60   | 35   | 12.5 | 25   | 10.5  | 8.8  |
| 550370   | DPCB 80 x 10  | 80   | 55   | 12.5 | 25   | 10.5  | 11.4 |
| 550380   | DPCB 100 x 10 | 100  | 75   | 12.5 | 25   | 10.5  | 14.5 |
| 550390   | DPCB 120 x 10 | 120  | 95   | 12.5 | 25   | 10.5  | 18.4 |

### PCB Plain Busbars

#### Thickness 4 or 5 mm

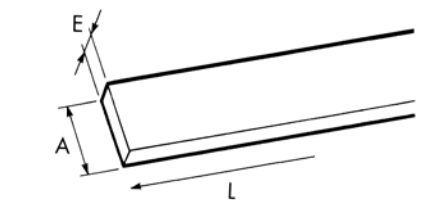
- Length 1000 and 2000 mm

| Part No. | DESCRIPTION       | L mm | A mm | E mm | kg    |
|----------|-------------------|------|------|------|-------|
| 550780   | PCB 12 X 4 X 1000 | 1000 | 12   | 4    | 0.430 |
| 550790   | PCB 12 X 4 X 2000 | 2000 | 12   | 4    | 0.850 |
| 550770   | PCB 12 X 5 X 2000 | 2000 | 12   | 5    | 1.062 |

#### Thickness 5 mm

- Length 2000 - 4000 mm
- Width 20 to 125 mm

| Part No. | DESCRIPTION     | L mm | A mm | E mm | kg    |
|----------|-----------------|------|------|------|-------|
| 549600   | PCB 2 m 25 x 5  | 2000 | 25   | 5    | 2.20  |
| 549610   | PCB 2 m 50 x 5  | 2000 | 50   | 5    | 4.50  |
| 549620   | PCB 2 m 63 x 5  | 2000 | 63   | 5    | 5.60  |
| 549630   | PCB 2 m 80 x 5  | 2000 | 80   | 5    | 7.10  |
| 549640   | PCB 2 m 100 x 5 | 2000 | 100  | 5    | 8.90  |
| 549650   | PCB 2 m 125 x 5 | 2000 | 125  | 5    | 11.10 |
| 550600   | PCB 4 m 20 x 5  | 4000 | 20   | 5    | 3.56  |
| 550610   | PCB 4 m 25 x 5  | 4000 | 25   | 5    | 4.45  |
| 550620   | PCB 4 m 30 x 5  | 4000 | 30   | 5    | 5.34  |
| 550630   | PCB 4 m 40 x 5  | 4000 | 40   | 5    | 7.12  |
| 550640   | PCB 4 m 50 x 5  | 4000 | 50   | 5    | 8.90  |
| 550650   | PCB 4 m 60 x 5  | 4000 | 60   | 5    | 10.68 |
| 550660   | PCB 4 m 80 x 5  | 4000 | 80   | 5    | 14.24 |
| 550670   | PCB 4 m 100 x 5 | 4000 | 100  | 5    | 17.80 |
| 550680   | PCB 4 m 125 x 5 | 4000 | 125  | 5    | 22.24 |

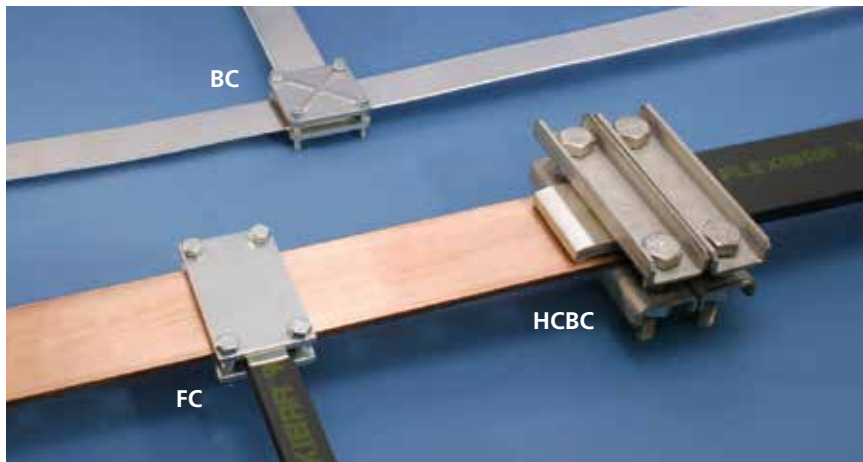


#### Thickness 10 mm

- Length 2000 - 4000 mm
- Width 30 to 200 mm

| Part No. | DESCRIPTION      | L mm | A mm | E mm | kg    |
|----------|------------------|------|------|------|-------|
| 549700   | PCB 2 m 30 x 10  | 2000 | 30   | 10   | 5.30  |
| 549710   | PCB 2 m 40 x 10  | 2000 | 40   | 10   | 7.10  |
| 549720   | PCB 2 m 50 x 10  | 2000 | 50   | 10   | 8.90  |
| 549730   | PCB 2 m 60 x 10  | 2000 | 60   | 10   | 10.70 |
| 549740   | PCB 2 m 80 x 10  | 2000 | 80   | 10   | 14.20 |
| 549750   | PCB 2 m 100 x 10 | 2000 | 100  | 10   | 17.80 |
| 549760   | PCB 2 m 120 x 10 | 2000 | 120  | 10   | 21.40 |
| 550970   | PCB 4 m 30 x 10  | 4000 | 30   | 10   | 10.69 |
| 550980   | PCB 4 m 40 x 10  | 4000 | 40   | 10   | 14.25 |
| 550990   | PCB 4 m 50 x 10  | 4000 | 50   | 10   | 17.80 |
| 550910   | PCB 4 m 60 x 10  | 4000 | 60   | 10   | 21.35 |
| 550920   | PCB 4 m 80 x 10  | 4000 | 80   | 10   | 28.50 |
| 550930   | PCB 4 m 100 x 10 | 4000 | 100  | 10   | 35.60 |
| 550940   | PCB 4 m 120 x 10 | 4000 | 120  | 10   | 42.80 |
| 550950   | PCB 4 m 160 x 10 | 4000 | 160  | 10   | 57.00 |
| 550960   | PCB 4 m 200 x 10 | 4000 | 200  | 10   | 71.00 |

# Connecting Clamps and Accessories

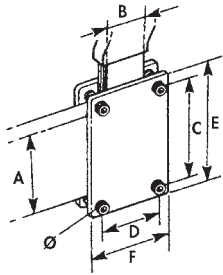


## Connecting Clamps

- Allows excellent electrical contact
- Very compact: space saving
- Quick installation
- Ideal for "on site" modifications

### FC ERIFLEX FLEXIBAR Clamp

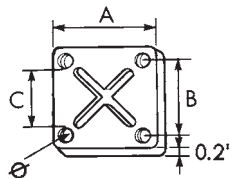
- Clamping capacity: 0.79 inches
- 2 zinc plated steel plates complete with M8 screws 8.8 class



| Part No. | DESCRIPTION | A in | B mm  | C in | D in | E in | F in | Torque ft/lbs | Box | lbs  |
|----------|-------------|------|-------|------|------|------|------|---------------|-----|------|
| 553020   | FC 50 x 24  | 2    | 20-24 | 2.32 | 1.42 | 2.95 | 2.05 | 7.37          | 3   | 0.7  |
| 553030   | FC 50 x 32  | 2    | 32    | 2.32 | 1.73 | 2.95 | 2.36 | 7.37          | 3   | 0.8  |
| 553040   | FC 50 x 40  | 2    | 40    | 2.32 | 2.05 | 2.95 | 2.68 | 7.37          | 3   | 0.91 |
| 553050   | FC 80 x 24  | 3.18 | 20-24 | 3.5  | 1.42 | 4.13 | 2.05 | 7.37          | 3   | 0.95 |
| 553060   | FC 80 x 32  | 3.18 | 32    | 3.5  | 1.73 | 4.13 | 2.36 | 7.37          | 3   | 1.08 |
| 553070   | FC 80 x 50  | 3.18 | 50    | 3.5  | 2.44 | 4.13 | 3.07 | 7.37          | 3   | 1.41 |
| 568700   | FC 100 x 32 | 3.97 | 32    | 4.29 | 1.73 | 4.92 | 2.36 | 7.37          | 3   | 1.47 |
| 568730   | FC 120 x 32 | 4.4  | 32    | 5.08 | 1.73 | 4.92 | 2.36 | 7.37          | 3   | 1.67 |

### BC Ribbed-Steel Busbar Clamp

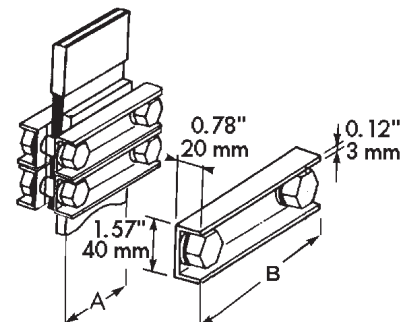
- Clamping capacity: 0.79 inches
- 2 ribbed zinc-plated hardened-steel plates complete with screws
- Maximum clamping capacity is 50 mm using longer screws SAE Grade 5
- UL® 67 recognized



| Part No. | DESCRIPTION | A in | B in | C in | Ø mm | Torque ft/lbs | Box | lbs  |
|----------|-------------|------|------|------|------|---------------|-----|------|
| 553200   | BC 30       | 2.2  | 1.65 | 1.37 | M6   | 7             | 8   | 0.68 |
| 553210   | BC 40       | 2.6  | 2.05 | 1.77 | M6   | 7             | 8   | 0.81 |
| 553220   | BC 50       | 3.26 | 2.52 | 2.16 | M8   | 20            | 8   | 1.30 |
| 553230   | BC 63       | 3.66 | 2.91 | 2.55 | M8   | 20            | 4   | 1.63 |
| 553250   | BC 80       | 4.64 | 3.78 | 3.34 | M10  | 40            | 4   | 2.60 |
| 553260   | BC 100      | 5.67 | 4.64 | 4.21 | M10  | 40            | 4   | 3.79 |

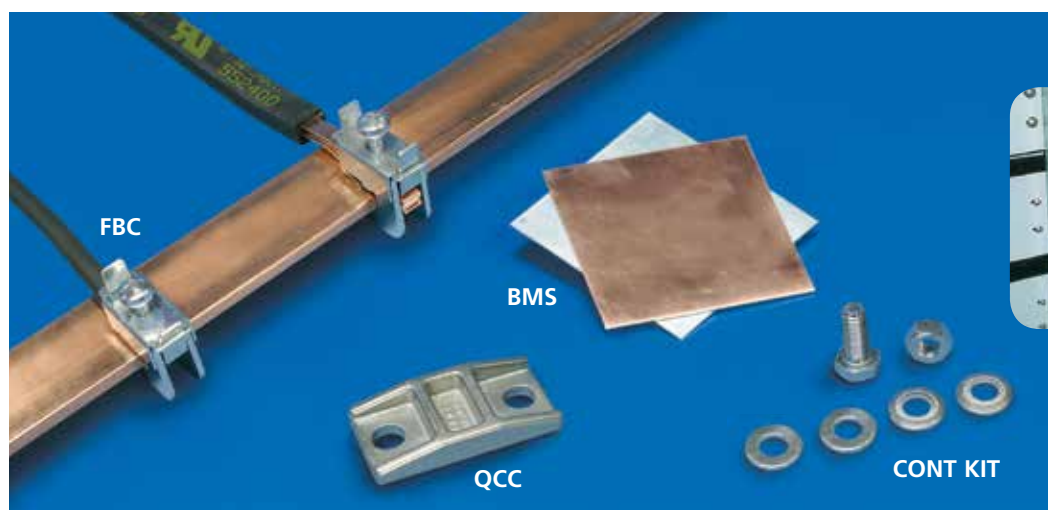
### HCBC High Current Busbar Clamp

- Clamping capacity: 1.58 inches
- This modular busbar clamp is designed with non-magnetic materials for high current connections between ERIFLEX FLEXIBAR and rigid busbars such as transformer terminals
- Its mechanical design assures rigidity and even contact pressure
- Use 2 clamps to guarantee the contact pressure



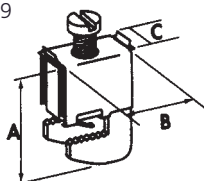
| Part No. | DESCRIPTION | Busbar A in | Busbar B mm | Overall Width B in | Overall Bolt Length in | Torque ft/lbs | Box | lbs  |
|----------|-------------|-------------|-------------|--------------------|------------------------|---------------|-----|------|
| 553100   | HSBC 80     | 3.15        | 80          | 5.5                | 2.35                   | 74            | 1   | 1.85 |
| 553110   | HSBC 100    | 3.94        | 100         | 6.3                | 2.35                   | 74            | 1   | 2.03 |
| 553120   | HSBC 120    | 4.72        | 120         | 7.2                | 3.15                   | 74            | 1   | 2.20 |

# Connecting Clamps and Accessories



## FBC Connectors for Connecting without Drilling

- Very compact connector for connecting without drilling to a 5 or 10 mm thick busbar :
- Cables from 1 mm<sup>2</sup> up to 185 mm<sup>2</sup> or ERIFLEX FLEXIBAR width 6 to 20 mm
- Self-support of connector during mounting procedure
- IEC 60999



### ERIFLEX FLEXIBAR Type Connectors for busbars thickness 5 mm

| Part No. | DESCRIPTION  | A mm | B mm | C mm | ERIFLEX FLEXIBAR type | Torque N.m | CABLE SIZE mm <sup>2</sup> | kg    |
|----------|--------------|------|------|------|-----------------------|------------|----------------------------|-------|
| 553405   | FBC 5 x 4    | 23   | 29   | 11   |                       | 2          | 1-4                        | 0.016 |
| 553400   | FBC 5 x 6    | 28   | 31   | 14   | 6 mm                  | 3          | 2.5-16                     | 0.028 |
| 553410   | FBC 5 x 9    | 36   | 40   | 19   | 9 mm                  | 6-8        | 16-50                      | 0.068 |
| 553510   | FBC 5 x 15.5 | 44   | 40   | 25   | 15.5 mm               | 10-12      | 35-70                      | 0.110 |
| 553520   | FBC 5 x 20   | 48   | 40   | 31   | 20 mm                 | 12-15      | 70-185                     | 0.132 |

### Connectors for busbars thickness 10 mm

| Part No. | DESCRIPTION   | A mm | B mm | C mm | ERIFLEX FLEXIBAR type | Torque N.m | CABLE SIZE mm <sup>2</sup> | kg    |
|----------|---------------|------|------|------|-----------------------|------------|----------------------------|-------|
| 553505   | FBC 10 x 4    | 28   | 29   | 12   |                       | 2          | 1-4                        | 0.018 |
| 553430   | FBC 10 x 6    | 33   | 31   | 14   | 6 mm                  | 3          | 2.5-16                     | 0.030 |
| 553440   | FBC 10 x 9    | 42   | 40   | 19   | 9 mm                  | 6-8        | 16-50                      | 0.070 |
| 553530   | FBC 10 x 15.5 | 49   | 40   | 25   | 15.5 mm               | 10-12      | 35-70                      | 0.112 |
| 553540   | FBC 10 x 20   | 54   | 40   | 31   | 20 mm                 | 12-15      | 70-185                     | 0.138 |

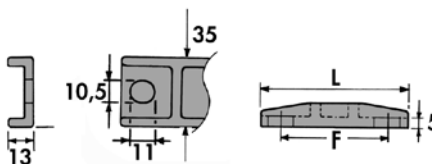
## BMS Bimetal Plate

- For high performance contact between an aluminum busbar and a copper busbar.
- 70% aluminum - 30% copper

| Part No | DESCRIPTION | Size          | kg    |
|---------|-------------|---------------|-------|
| 553080  | BMS 100     | 100 x 100 x 1 | 0.058 |
| 553090  | BMS 500     | 500 x 500 x 1 | 1.45  |

## QCC Clamps ERIFLEX FLEXIBAR

- For ERIFLEX FLEXIBAR thickness ≤ 5 mm = 1 clamp
- For ERIFLEX FLEXIBAR thickness > 5 mm = 2 clamps



| Part No. | DESCRIPTION | ERIFLEX FLEXIBAR width min. mm | max. mm | L mm | F mm | kg    |
|----------|-------------|--------------------------------|---------|------|------|-------|
| 561200   | QCC 6/13    | 6                              | 13      | 48   | 25   | 0.068 |
| 561210   | QCC 15.5/32 | 15.5                           | 32      | 70   | 50   | 0.112 |
| 561220   | QCC 40/63   | 40                             | 63      | 95   | 75   | 0.158 |

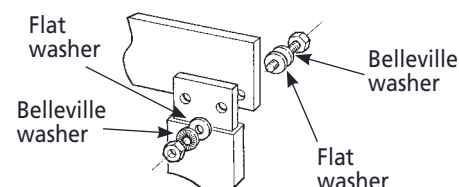
## CONT KIT Metal Nuts and Bolts Contact Kits

- For good electrical contact :
- 100 nuts - 100 bolts - 200 flat washers
- 200 contact washers (SAE Grade 5 hardware)

| Part No. | DESCRIPTION                    | Torque ft/lbs | kg  |
|----------|--------------------------------|---------------|-----|
| 561400   | Contact Kit 1/4 - 20 x 5/8"    | 9             | 100 |
| 561401   | Contact Kit 5/16 - 18 x 1-1/4" | 18            | 100 |
| 561402   | Contact Kit 7/16 - 14 x 1-1/4" | 50            | 100 |
| 561403   | Contact Kit 7/16 - 14 x 2"     | 50            | 100 |
| 561404   | Contact Kit 1/2 - 13 x 1-1/4"  | 75            | 100 |
| 561405   | Contact Kit 1/2 - 13 x 1-1/2"  | 75            | 100 |
| 561406   | Contact Kit 1/2 - 13 x 2"      | 75            | 100 |

## CLAMPING TORQUE CALCULATION

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

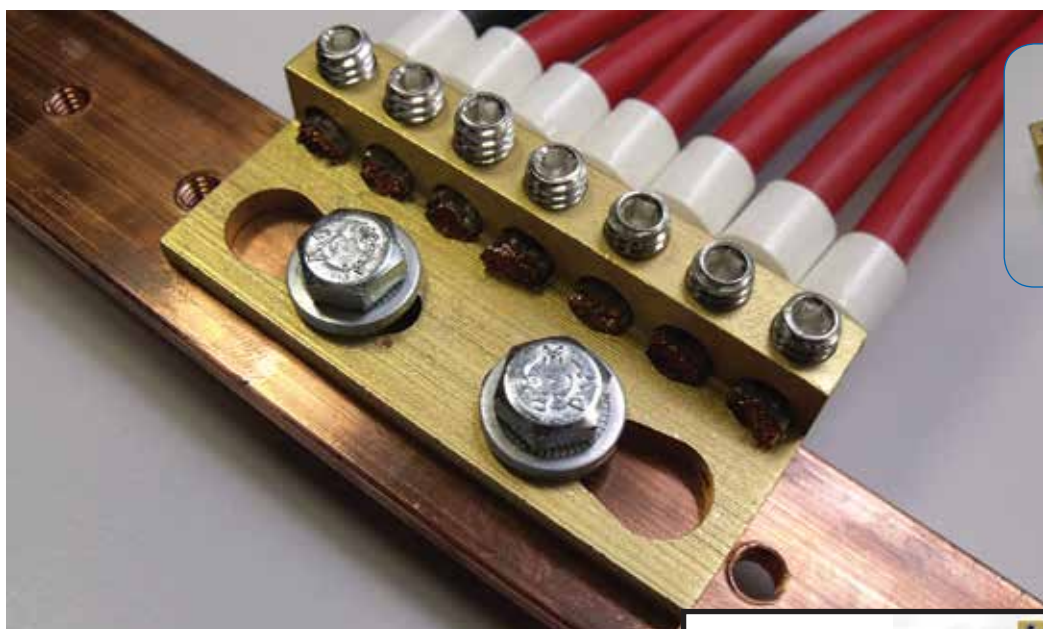


| Bolt Size       | 1/4"-20 | 5/16"-18 | 3/8"-16 | 7/16"-14 | 1/2"-13 | 9/16"-12 | 5/8"-11 |
|-----------------|---------|----------|---------|----------|---------|----------|---------|
| Torque (ft-lbs) | 9       | 18       | 31      | 50       | 75      | 110      | 150     |

### Alt - Metric

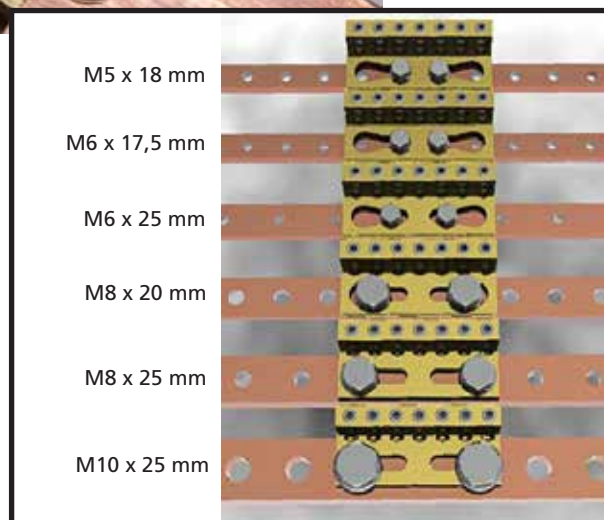
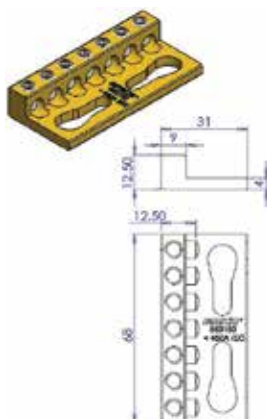
| Bolt Size              | M6 | M8 | M10 | M12 | M14 | M16 |
|------------------------|----|----|-----|-----|-----|-----|
| Torque (newton-meters) | 13 | 30 | 60  | 110 | 174 | 274 |

# Universal Connecting Bar



## Universal Connecting Bar CB 7x16² - 450A

- Offers a current rating up to 450A
- Easy to wire with a hexagonal key
- Allows visual inspection of wire and confirmation of connection
- For use with punched or threaded copper busbar
- Can connect up to seven 1.5 to 16 mm² cables
- High fill ratio allows output connection with or without terminal
- Features high-conductivity brass material



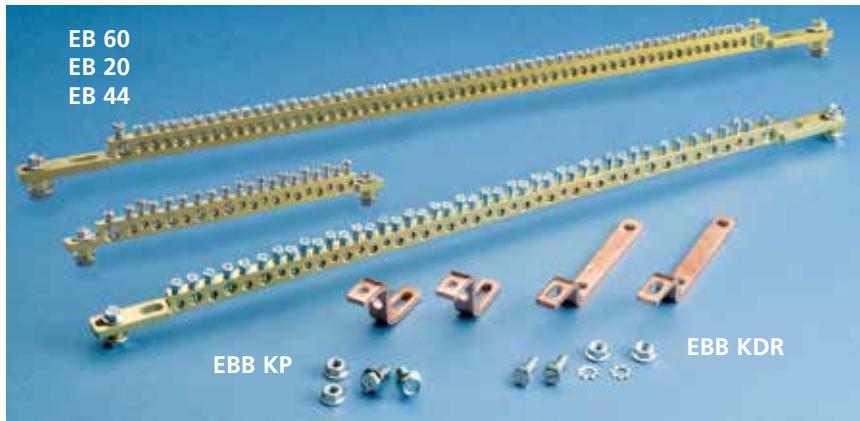
| Part No. | DESCRIPTION | Diameter mm | kg    |
|----------|-------------|-------------|-------|
| 553150   | CB 7x16²    | 7.5         | 0.082 |

|  | Metric mm² | Imperial AWG | Terminal | Terminal | I' (N.m) | Torque inch/lbs | Terminal | Terminal |
|--|------------|--------------|----------|----------|----------|-----------------|----------|----------|
|  | 1.5 → 16   | 8 → 1/0      | x7       | 3.5      | 31       |                 |          |          |

 with terminal  
 without terminal, rigid cable

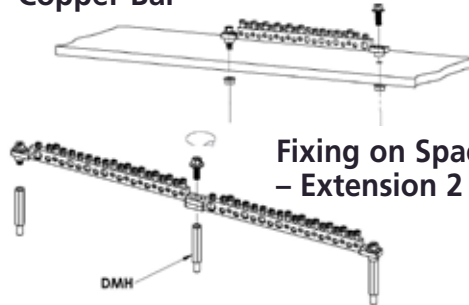
The connecting bar is a 450 A power distribution bar that is designed to be connected to threaded or perforated copper or tinned aluminum busbar. Part of the ERIFLEX line of low-voltage power distribution products from Pentair, this compact system is only 68 mm long and allows for the connection of up to seven 1.5 to 16 mm² output cables.

Featuring high-conductivity brass material, the connecting bar is quick and easy to install, requiring only two M5 to M10 screws with a pitch from 18 mm to 25 mm. The hexagonal key helps simplify wiring, and the convenient design allows visual inspection of the wire and confirmation of the connection. The high fill ratio allows an output connection with or without a terminal.

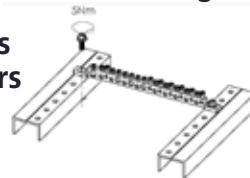


- Universal fixing
- Numerous connections
- Easy connections due to chamfer
- Rigid bar
- High conductivity brass quality
- Copper Brackets kit for easy fixing

## Fixing on Copper Bar



## Direct Fixing

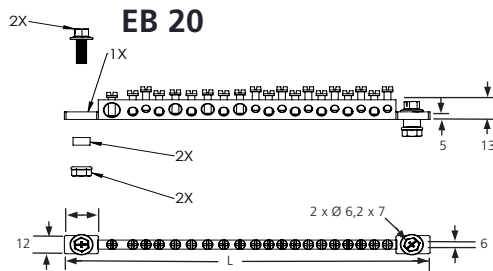


## Fixing on Spacers – Extension 2 Bars

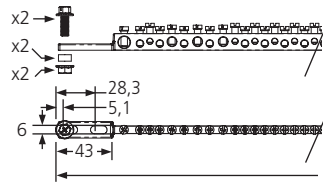
DMH

| Ø      | <12 mm      |              |        | EB20 | EB44 | EB60 |
|--------|-------------|--------------|--------|------|------|------|
| 9.1 mm | 16 - 35 mm² | 10 - 35 mm²  | 2 Nm   | x 1  | x 1  | x 1  |
| 7.0 mm | 4 - 16 mm²  | 2,5 - 16 mm² | 2 Nm   | x 3  | x 6  | x 1  |
| 5.3 mm | 2.5 - 6 mm² | 1.5 - 6 mm²  | 1.5 Nm | x 9  | x 21 |      |
| 4.5 mm | 1.5 - 4 mm² | 0.75 - 4 mm² | 1.5 Nm | x 7  | x 17 | x 58 |

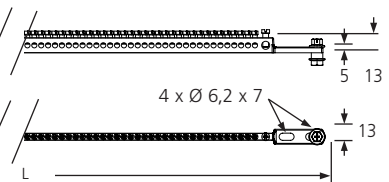
| Part No. | DESCRIPTION     | L   | kg |
|----------|-----------------|-----|----|
| 568660   | EARTH BAR EB 44 | 462 | 1  |
| 568661   | EARTH BAR EB 60 | 462 | 1  |
| 568662   | EARTH BAR EB 20 | 215 | 1  |



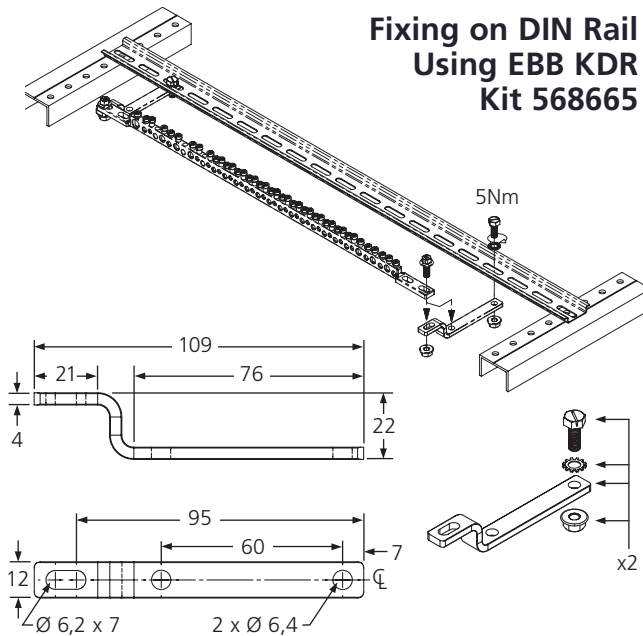
## EB 44



## EB 60

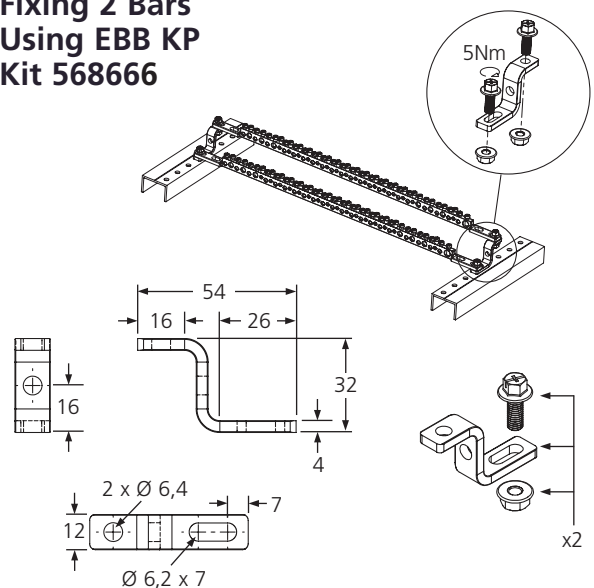


## Fixing on DIN Rail Using EBB KDR Kit 568665



| Part No. | DESCRIPTION          | kg    |
|----------|----------------------|-------|
| 568665   | EBB KDR KIT DIN RAIL | 0.064 |

## Fixing 2 Bars Using EBB KP Kit 568666

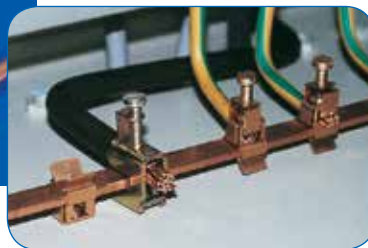


| Part No. | DESCRIPTION      | kg    |
|----------|------------------|-------|
| 568666   | EBB KP KIT PLATE | 0.102 |

# Grounding Parts

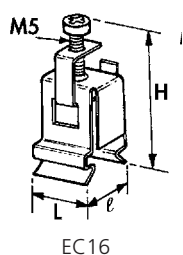


- Quick and easy connections
- Large and versatile range
- Connections: from 2.5 to 35 mm<sup>2</sup>

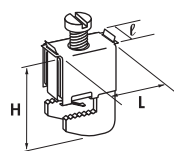


## EC Earthing Connectors

- FOR PLAIN BARS 12 x 4 and 12 x 5 with rounded corners
- Conductor is clamped through a pressure plate
- Connectors will slide and self-support before fixing of conductor
- Single screw locks clamp and makes connection
- Connections can be added after bar has been mounted



EC 16



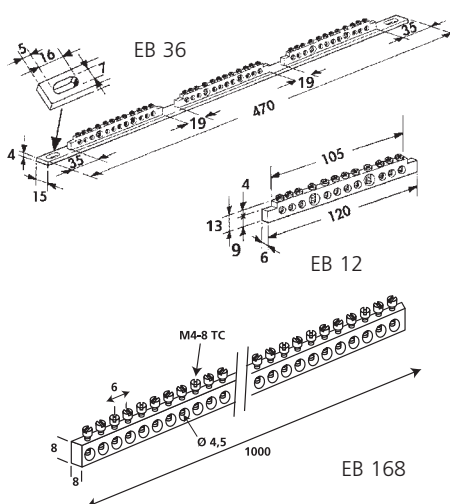
EC 35

16 mm<sup>2</sup> flexible cable  
35 mm<sup>2</sup> rigid cable

| Part No. | DESCRIPTION           | L mm | I mm | H mm | kg    |
|----------|-----------------------|------|------|------|-------|
| 553460   | EC 16 <sup>2</sup> -4 | 17   | 14   | 38   | 0.010 |
| 553480   | EC 16 <sup>2</sup> -5 | 17   | 14   | 38   | 0.010 |
| 553470   | EC 35                 | 23   | 11.5 | 27   | 0.025 |

## EB Earthing and Neutral Busbar

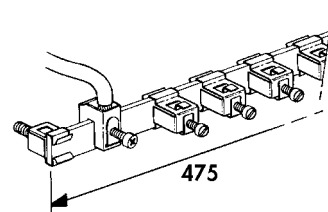
- EB 12 : earthing brass busbar 13 x 6 for 10 connections 16 mm<sup>2</sup> and 2 connections 35 mm<sup>2</sup>
- EB 36 : earthing copper busbar 15 x 4 equipped with 3 EB12
- EB 168 : earthing brass busbar 8 x 8 for 168 connections 10 mm<sup>2</sup> maxi



| Part No. | DESCRIPTION | kg    |
|----------|-------------|-------|
| 568610   | EB 12       | 0.068 |
| 568611   | EB 12       | 0.068 |
| 568620   | EB 36       | 0.456 |
| 568630   | EB 168      | 0.454 |

## KIT EC 450 Earthing Kit

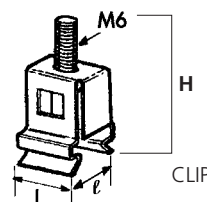
- Plain bar 12 x 4 x 475 mm long.
- 1 connector 35 mm<sup>2</sup>
- 20 connectors 16 mm<sup>2</sup> + 2 mounting clips



| Part No. | DESCRIPTION | kg    |
|----------|-------------|-------|
| 562100   | KIT EC 450  | 0.362 |

## CLIP M6 Mounting Clip

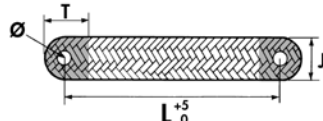
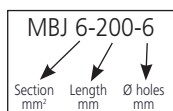
- FOR PLAIN BARS 12 x 4 and 12 x 5



| Part No. | DESCRIPTION | L mm | I mm | H mm | kg    |
|----------|-------------|------|------|------|-------|
| 553450   | CLIP M6-4   | 17   | 14   | 38   | 0.010 |
| 553490   | CLIP M6-5   | 17   | 14   | 38   | 0.010 |

## MBJ

| Part No. | DESCRIPTION   | Intensity A | Thick mm | Section mm <sup>2</sup> | L mm | Ø mm | J mm | kg     |
|----------|---------------|-------------|----------|-------------------------|------|------|------|--------|
| 563410   | MBJ 6-200-6   | 40          | 1.1      | 6                       | 200  | 6.5  | 13   | 0.0167 |
| 556640   | MBJ 16-200-8  | 120         | 1.5      | 16                      | 200  | 8.5  | 15   | 0.033  |
| 556740   | MBJ 30-200-10 | 180         | 2        | 30                      | 200  | 10.5 | 23   | 0.062  |



## BJ

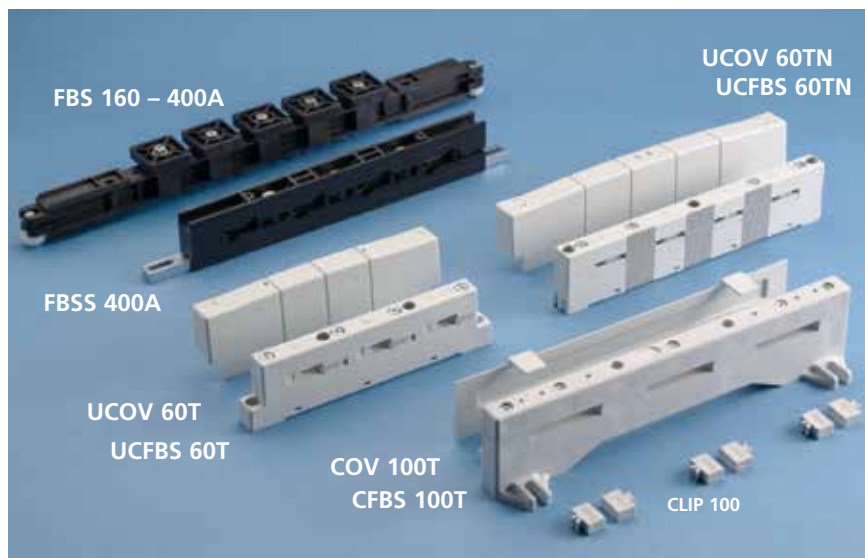
| Part No. | DESCRIPTION | Section mm <sup>2</sup> | L mm | Ø D mm | Intensity A | kg    |
|----------|-------------|-------------------------|------|--------|-------------|-------|
| 556910   | BJ 6-200 S  | 6                       | 200  | 6,5    | 45          | 0.015 |



Round braids with crimped lugs

Products on this page are world wide and are not UL® Recognized

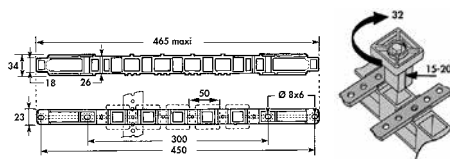
## Flat Busbar Supports



- Universal versatile support
- Minimum space requirement
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 VO

### FBS 160 – 400A

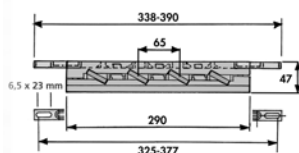
- For threaded bars 15-20-32 x 5 mm, 3 phase & neutral circuit
- Plastic positioning pin for bar location
- A screen can be fixed using spacers
- An earth can be mounted on either right or left side
- Halogen free



| Part No. | DESCRIPTION | Bar width mm | Bar thickness mm |   |      |
|----------|-------------|--------------|------------------|---|------|
| 551350   | FBS 400A    | 15-20-32     | 5                | 1 | 0.30 |

### FBSS 400A

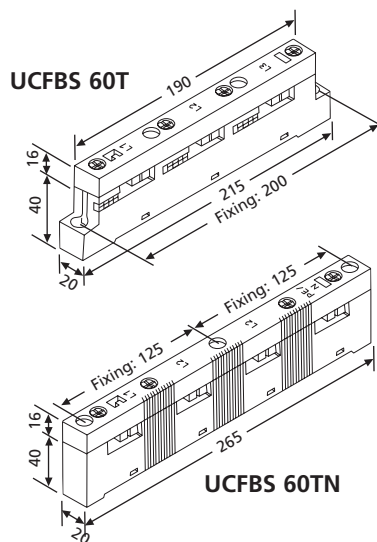
- For bars 32 x 5 without drilling
- Easy connection (inclined bars)
- Adjustable arms for an easy mounting and M6 screw included in the packaging
- Provision for fixing protective screen with self-tapping screws
- Halogen free



| Part No. | DESCRIPTION |   |       |
|----------|-------------|---|-------|
| 551190   | FBSS 32 x 5 | 2 | 0.316 |

### UCFBS 60 T-TN 160 – 630A

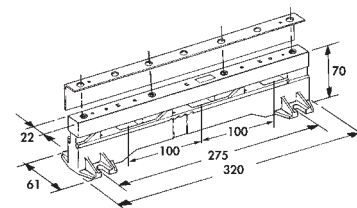
- Bar thickness 5 & 10 mm
- Versatile support for bars 15, 20, 25 and 30 mm
- UL 94 VO
- Max. temp.: 130°C
- End cover 562710 and 562760 to cover busbar ends



| Part No. | DESCRIPTION |           |            |    |       |
|----------|-------------|-----------|------------|----|-------|
| 562700   | UCFBS 60 T  | 15-30 x 5 | 15-30 x 10 | 4  | 0.190 |
| 562710   | UCOV 60 T   |           |            | 10 | 0.028 |
| 562750   | UCFBS 60 TN | 15-30 x 5 | 15-30 x 10 | 4  | 0.262 |
| 562760   | UCOV 60 TN  |           |            | 10 | 0.034 |

### CFBS 100 T 630 – 1200A

- Bar thickness 10 mm
- Versatile support for bars 30, 40, 50 and 60 – using the clips
- UL 94 VO
- Max. temp.: 130°C
- End cover 562810 to cover busbar ends



| Part No. | DESCRIPTION      |         | Number clip per phase |    |       |
|----------|------------------|---------|-----------------------|----|-------|
| 562800   | CFBS 100T        | 60 x 10 |                       | 4  | 0.436 |
| 562810   | COV 100T         |         |                       | 10 | 0.050 |
| 562820   | CLIP 100 30 x 10 | 30 x 10 | 2                     | 24 | 0.004 |
| 562830   | CLIP 100 40 x 10 | 40 x 10 | 2                     | 24 | 0.004 |
| 562840   | CLIP 100 50 x 10 | 50 x 10 | 2                     | 24 | 0.002 |

# Busbar Supports

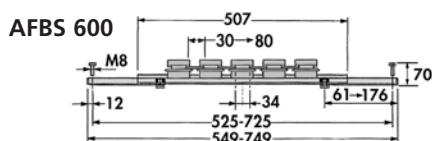
## Adjustable Flat Busbar Supports



- Adjustable distance between phases
- Quick adjustment to busbar thickness 5 or 10 mm
- High resistance to short-circuit forces
- Excellent security of equipment
- Universal fixing
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 VO

### AFBS-B 600 UP TO 1600A

- Versatile support for bars 30 to 80 mm
- For busbar thickness: 5 or 10 mm
- 3 phase + neutral circuit
- Halogen free
- See below for some applications



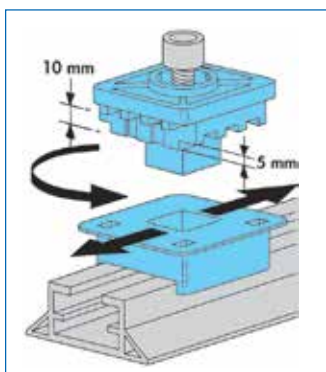
| Part No. | DESCRIPTION |   |          |
|----------|-------------|---|----------|
| 504971   | AFBS-B 600  | 1 | 2.200 kg |

### AFBS UP TO 2300A

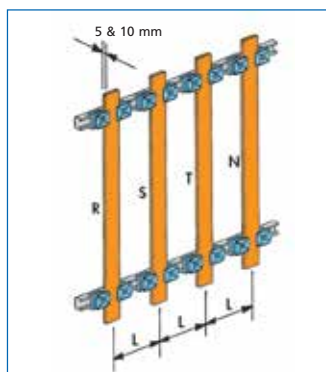
- Versatile support for bars 30 to 125 mm to build with:
- ALP 2000 aluminium rail length 2000 mm
- + SI ALP-B insulator blocks
- 3 phase + neutral circuit
- For busbar thickness 5 or 10 mm
- Halogen free



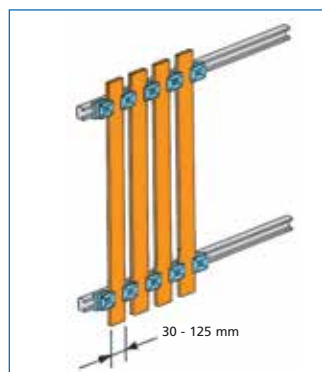
| Part No. | DESCRIPTION |    |          |
|----------|-------------|----|----------|
| 504980   | ALP 2000    | 2  | 2.950 kg |
| 504991   | SI ALP-B    | 12 | 0.258 kg |



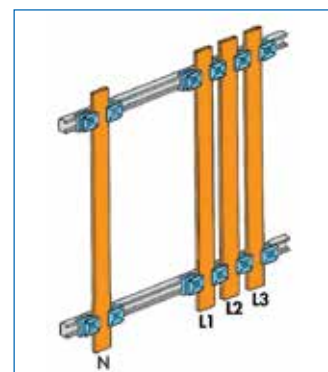
Slide and adjust to busbar thickness (5 or 10 mm) by simply rotating the insulator.



2 insulators per bar. Distance between phases can be adjusted by sliding. See ERIFLEX Software.



1 insulator can support 2 bars. Fixed distance between bars: 34 mm.



The 2 applications can be combined.

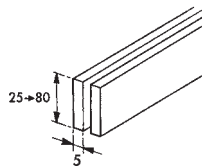
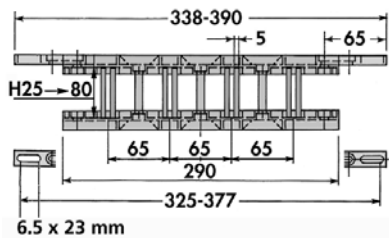
## Compact and Reinforced Busbar Supports



- Minimum space requirement
- Easy and quick assembly
- Fits within 400 mm depth panelboard
- Provision for direct fixing of a screen
- Halogen free
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 VO

### CBS-B 2/5TN 250-1600A

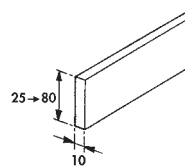
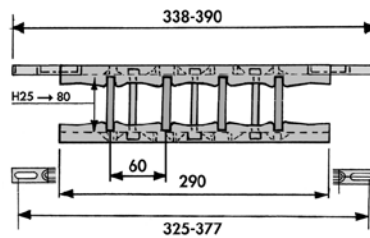
- For bar thickness 5



| Part No. | DESCRIPTION  | Bar thickness mm | Busbars per phase | kg    |
|----------|--------------|------------------|-------------------|-------|
| 551151   | CBS-B 2/5 TN | 5                | 2                 | 0.200 |

### CBS-B 1/10TN 250-1600A

- For bar thickness 10 mm

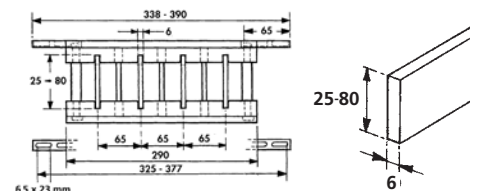


| Part No. | DESCRIPTION   | Bar thickness mm | Busbars per phase | kg    |
|----------|---------------|------------------|-------------------|-------|
| 551181   | CBS-B 1/10 TN | 10               | 1                 | 0.260 |

### RCBS 1/6TN-1/10TN Mechanically Reinforced

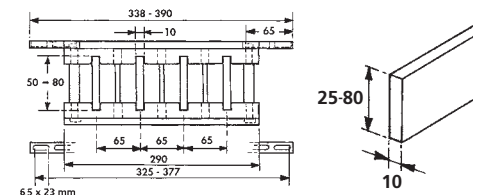
- Distance between copper bars and frame : 24 mm

- RCBS 1/6TN
- 500-1200A
- for bar thickness : 6.35 mm



| Part No. | DESCRIPTION  | Bar thickness mm | Number of busbars per phase | kg    |
|----------|--------------|------------------|-----------------------------|-------|
| 552050   | RCBS 1/6 TN* | 6                | 1                           | 0.650 |

- RCBS 1/10TN
- 500-1600A
- for bar thickness : 10 mm



| Part No. | DESCRIPTION   | Bar thickness mm | Number of busbars per phase | kg    |
|----------|---------------|------------------|-----------------------------|-------|
| 552070   | RCBS 1/10 TN* | 10               | 1                           | 0.620 |

# Busbar Supports

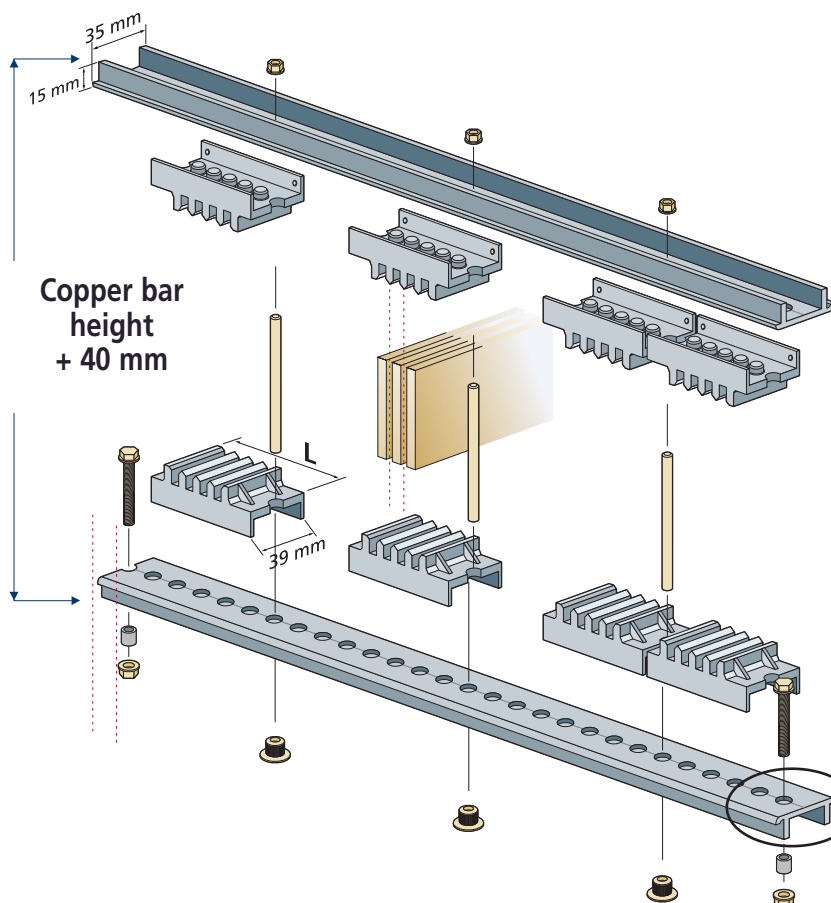
## Compact and Adjustable Busbar Supports



- Universal fixing support
- Easy to install
- Adjustable distance between each phase (12.5 mm pitch)
- Standard or customised support
- Cost-effective
- For all busbar types and ERIFLEX ERILINK busducts
- Halogen Free
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 VO

### Technical Features

- Panels: 300 to 800 mm
- Bars: 30 to 125 mm
- Thickness: 5 or 10 mm
- From 400A up to 4500 A



Aluminum Profile Rigidity  
How to improve the Bending Resistance, according to your configuration:



Single



Double Version 1

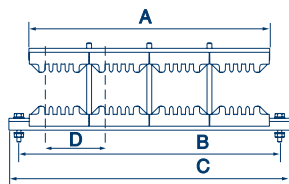


Double Version 2

For calculation purpose:  
see ERIFLEX Software

## Compact and Adjustable Busbar Supports (CABS)

### Standard CABS Supports Ready To Use:



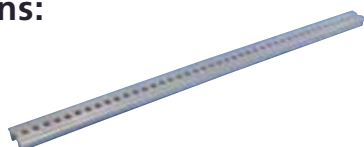
|        | CABS400 | CABS600  |
|--------|---------|----------|
| A      | 300     | 500      |
| B      | 325     | 525      |
| C      | 350     | 550      |
| D      | 75      | 75 → 125 |
| 4/5TN  | 549310  | 549260   |
| 2/10TN | 549320  | 549270   |

| Part No. | DESCRIPTION      |   | kg    | L  |
|----------|------------------|---|-------|----|
| 549310   | CABS 4/5 TN 400  | 1 | 0.800 | 75 |
| 549320   | CABS 2/10 TN 400 | 1 | 0.770 | 75 |
| 549260   | CABS 4/5 TN 600  | 1 | 0.840 | 75 |
| 549270   | CABS 2/10 TN 600 | 1 | 0.810 | 75 |

### Customized Support: Just 3 Parts

Less Parts... More Configurations:

#### 1 Aluminum Profile 2M (CABS App)



| Part No. | DESCRIPTION |   | kg   |
|----------|-------------|---|------|
| 549300   | CABS APP    | 2 | 0.90 |

#### 2 6 CABS Modules:

|  |                                                                 |
|--|-----------------------------------------------------------------|
|  | <b>CABS 4/5 T MODULE:</b><br>1 to 4 BARS<br>30 -> 125 x 5 mm    |
|  | <b>CABS 2/10 T MODULE:</b><br>1 to 2 BARS<br>30 -> 120 x 10 mm  |
|  | <b>CABS 3/10 T MODULE:</b><br>1 to 3 BARS<br>30 -> 120 x 10 mm  |
|  | <b>CABS 4/5 TN MODULE:</b><br>1 to 4 BARS<br>30 -> 125 x 5 mm   |
|  | <b>CABS 2/10 TN MODULE:</b><br>1 to 2 BARS<br>30 -> 120 x 10 mm |
|  | <b>CABS 3/10 TN MODULE:</b><br>1 to 3 BARS<br>30 -> 120 x 10 mm |



T = 3 Phases

| Part No. | DESCRIPTION     |   | kg   | L   |
|----------|-----------------|---|------|-----|
| 549370   | CABS 4/5 T MOD  | 1 | 0.39 | 75  |
| 549380   | CABS 2/10 T MOD | 1 | 0.37 | 75  |
| 549390   | CABS 3/10 T MOD | 1 | 0.45 | 100 |



TN = 3 Phases + Neutral

| Part No. | DESCRIPTION      |   | kg   | L   |
|----------|------------------|---|------|-----|
| 549340   | CABS 4/5 TN MOD  | 1 | 0.50 | 75  |
| 549350   | CABS 2/10 TN MOD | 1 | 0.48 | 75  |
| 549360   | CABS 3/10 TN MOD | 1 | 0.58 | 100 |

#### 3 ACCESSORIES: BRACKETS FOR SUPPORTS FIXING



BRACKET CABS M



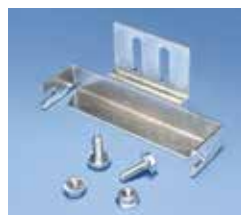
BRACKET CABS T KIT



BRACKET CABS E



BRACKET CABS TH KIT



BRACKET CABS BT



BRACKET CABS SV



BRACKET CABS RV

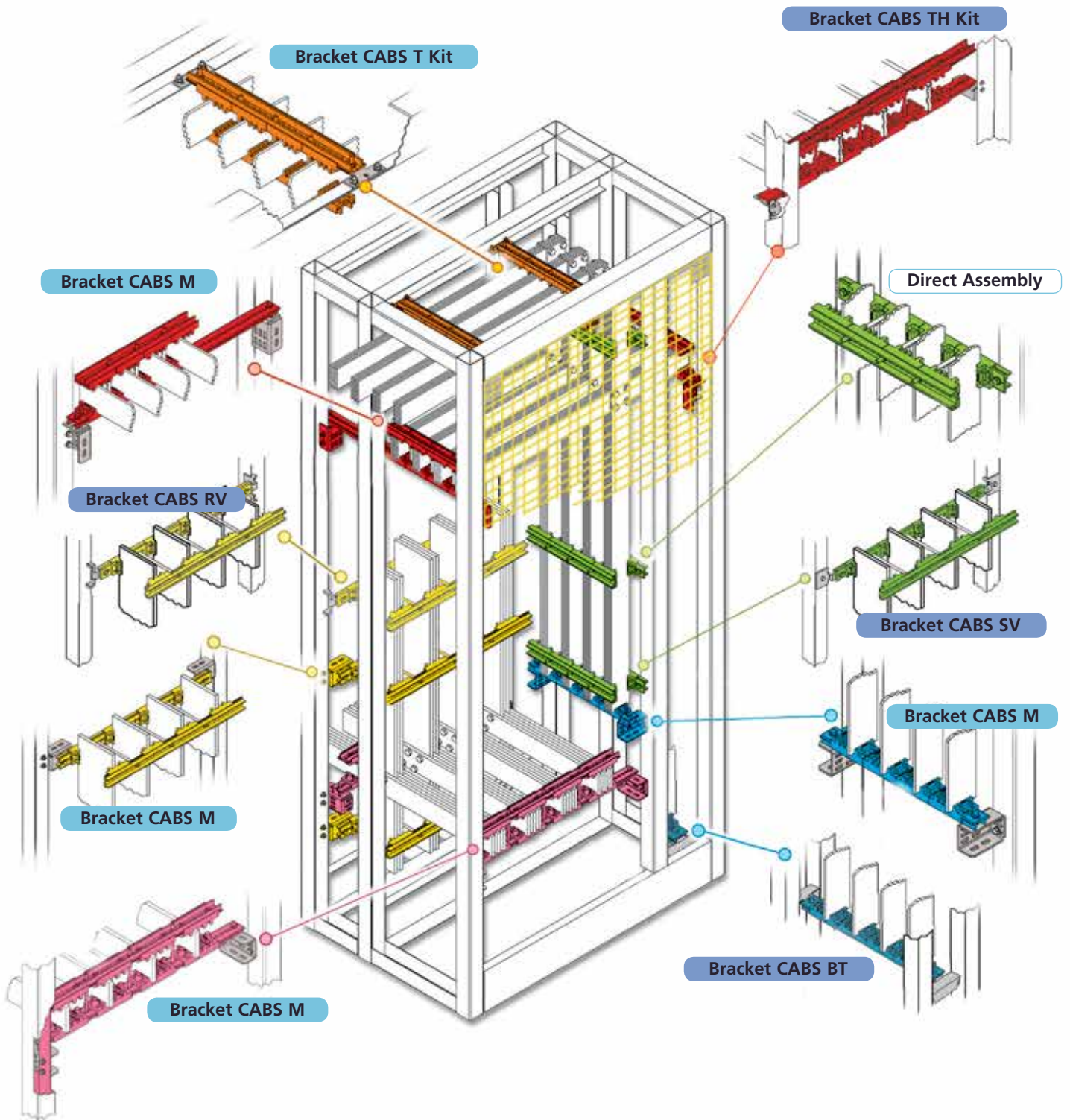


ADD. KIT CABS Fixing

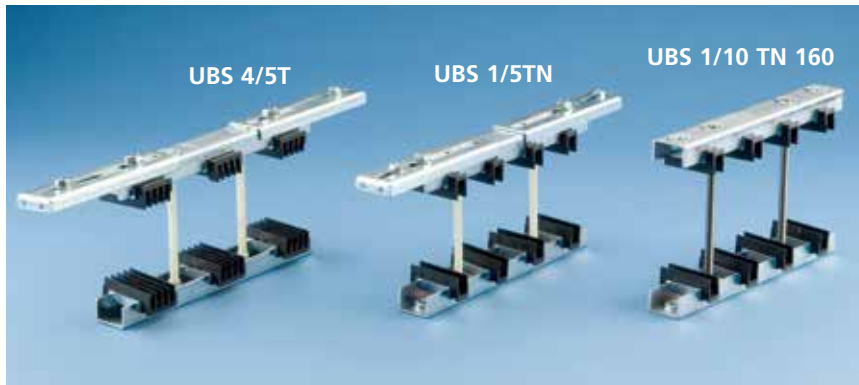
| Part No. | DESCRIPTION          |    | kg    |
|----------|----------------------|----|-------|
| 549450   | CABS Bracket TH Kit  | 5  | 0.250 |
| 549460   | CABS Bracket BT      | 10 | 0.200 |
| 549470   | CABS Bracket SV      | 10 | 0.050 |
| 549480   | CABS Bracket RV      | 10 | 0.060 |
| 549400   | CABS T SET           | 5  | 0.110 |
| 549410   | CABS E               | 10 | 0.046 |
| 549420   | CABS M               | 10 | 0.200 |
| 549430   | ADD. Kit CABS Fixing | 1  | 0.310 |

# Busbar Supports

## Compact and Adjustable Busbar Supports (CABS)



## Universal Busbar Supports

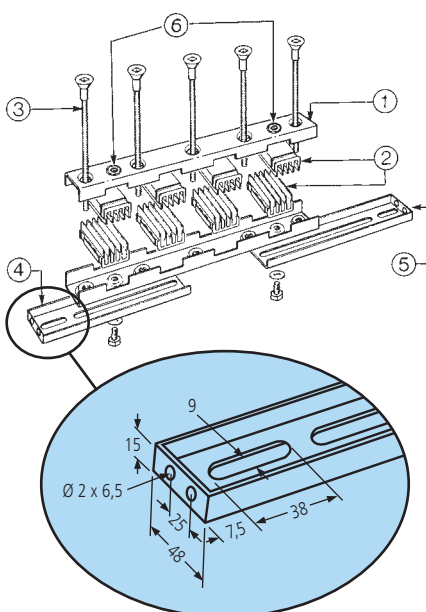


- Complete range of 15 supports
- Extremely robust construction
- Universal fixing system
- Time saving during mounting procedure
- Halogen free insulators
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 VO

## Technical Characteristics

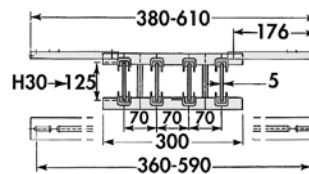
- 1) 2.5 mm reinforced and formed zinc plated steel sheet
- 2) Insulators in polyamide, glass fiber reinforced, halogen free
- 3) Busbars fixed and tightened using reinforced polyamide M10 screws (in stainless steel for bars 160 and 200 mm)
- 4) Adjustable distance between fixing centers
- 5) Distance between lateral fixing centers: 25 mm
- 6) Provision for direct fixing of a screen using 2 M10 integrated flush nuts

**T = 3 phases**  
**TN = 3 phases + neutral**



### UBS 1/5TN 1700A

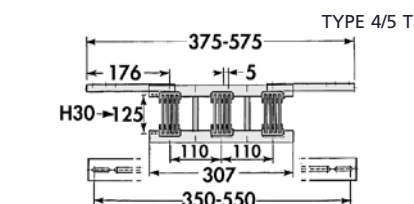
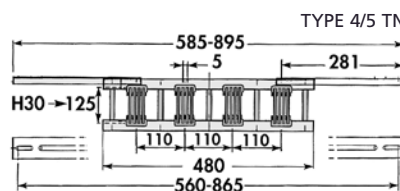
- 3 phase + neutral circuit
- Busbar thickness: 5 mm
- Busbar width: 30 to 125 mm



| Part No. | DESCRIPTION | Number of busbars per phase | kg   |
|----------|-------------|-----------------------------|------|
| 551000   | UBS 1/5 TN  | 1                           | 1.86 |

### UBS 4/5T & 4/5TN 3500A

- 3 phase (4/5 T)
- 3 phase + neutral circuit (4/5 TN)
- Busbar thickness: 5 mm
- Busbar width: 30 to 125 mm

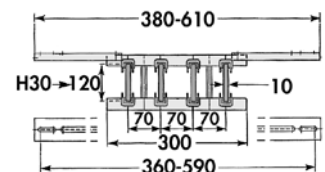


| Part No. | DESCRIPTION | Number of busbars per phase | kg   |
|----------|-------------|-----------------------------|------|
| 551010   | UBS 4/5 TN  | 1-4                         | 2.88 |
| 551020   | UBS 4/5 T   | 1-4                         | 2.22 |

### UBS 1/10TN 2250A

- 3 phase + neutral circuit
- Busbar thickness : 10 mm
- Busbar width : 30 to 120 mm

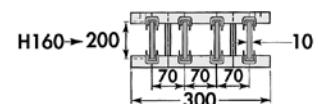
\* ASTA Tested



| Part No. | DESCRIPTION  | Number of busbars per phase | kg   |
|----------|--------------|-----------------------------|------|
| 551060   | UBS 1/10 TN* | 1                           | 1.86 |

### UBS 1/10TN 160 & 200 3500A

- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 160 to 200 mm
- Assembling without extension arms



| Part No. | DESCRIPTION     | Number of busbars per phase | kg   |
|----------|-----------------|-----------------------------|------|
| 561500   | UBS 1/10 TN 160 | 1                           | 2.30 |
| 561510   | UBS 1/10 TN 200 | 1                           | 2.40 |

# Busbar Supports

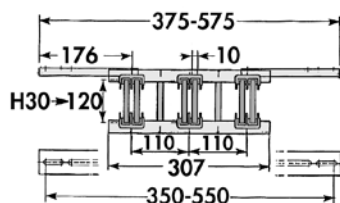
## Universal Busbar Supports



### UBS 2/10T

#### 3600A

- 3 phase
- Busbar thickness: 10 mm
- Busbar width: 30 to 120 mm

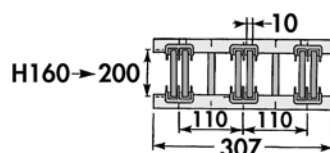


| Part No. | DESCRIPTION | Number of busbars per phase | kg   |
|----------|-------------|-----------------------------|------|
| 551080   | UBS 2/10 T  | 1-2                         | 2.18 |

### UBS 2/10T 160 & 200

#### 5700A

- 3 phase
- Busbar thickness: 10 mm
- Busbar width: 160 to 200 mm
- Assembling without extension arms

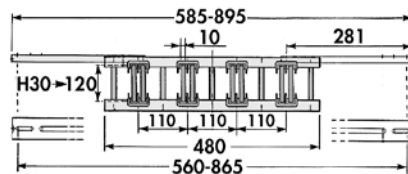


| Part No. | DESCRIPTION    | Number of busbars per phase | kg   |
|----------|----------------|-----------------------------|------|
| 561520   | UBS 2/10 T 160 | 1-2                         | 2.60 |
| 561530   | UBS 2/10 T 200 | 1-2                         | 2.70 |

### UBS 2/10TN

#### 3600A

- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 30 to 120 mm

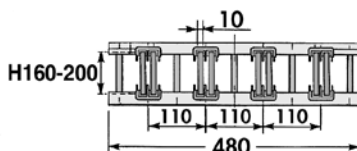


| Part No. | DESCRIPTION | Number of busbars per phase | kg   |
|----------|-------------|-----------------------------|------|
| 551070   | UBS 2/10 TN | 1-2                         | 2.86 |

### UBS 2/10TN 160 & 200

#### 5700A

- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 160 to 200 mm
- Assembly without extension arms

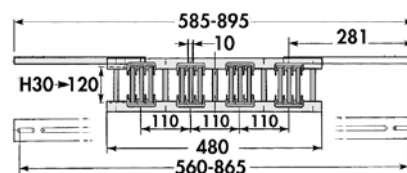


| Part No. | DESCRIPTION     | Number of busbars per phase | kg   |
|----------|-----------------|-----------------------------|------|
| 561870   | UBS 2/10 TN 160 | 1-2                         | 3.40 |
| 561880   | UBS 2/10 TN 200 | 1-2                         | 3.50 |

### UBS 3/10TN

#### 4500A

- 3 phase + neutral
- Busbar thickness: 10 mm
- Busbar width: 30 to 120 mm

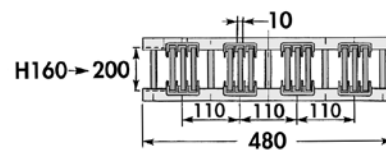


| Part No. | DESCRIPTION | Number of busbars per phase | kg   |
|----------|-------------|-----------------------------|------|
| 551090   | UBS 3/10 TN | 1-3                         | 2.90 |

### UBS 3/10TN 160 & 200

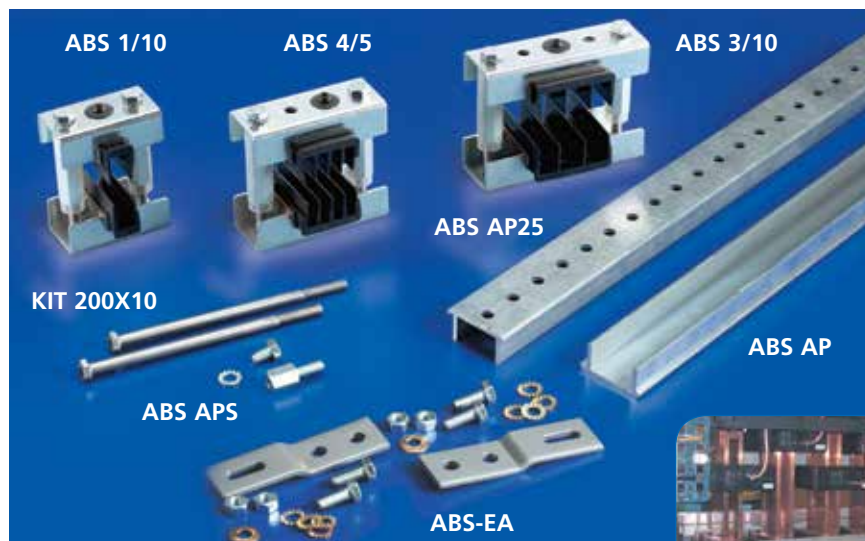
#### 7400A

- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 160 to 200 mm
- Assembling without extension arms



| Part No. | DESCRIPTION     | Number of busbars per phase | kg   |
|----------|-----------------|-----------------------------|------|
| 561540   | UBS 3/10 TN 160 | 1-3                         | 3.40 |
| 561550   | UBS 3/10 TN 200 | 1-3                         | 3.50 |

## Adjustable Busbar Support



- Freedom to select the desired distance
- Extremely robust construction
- Universal fixing system
- Time saving due to rapid assembly process
- Working temperature: -40°C up to 130°C
- Halogen free
- Self extinguishing UL® 94 VO



## ABS

### Offering Real Simplicity With Just 2 Components:

- 1 – Aluminum profiles 2 m
- 2 – Single kits enabling phase assembly

- Up To 7400 A
- Panels: 300 to 900 mm
- Bars: 50 to 200 mm
- Thickness: 5 or 10 mm
- Busbars IP 00 / ERIFLEX ERILINK

| Part No. | DESCRIPTION  | DESIGNATION                 |   |       | L   |
|----------|--------------|-----------------------------|---|-------|-----|
| 560930   | ABS AP25     | ABS perfo alu profile 25    | 2 | 1.35  |     |
| 560940   | ABS AP       | ABS alu profile             | 2 | 1.37  |     |
| 560860   | ABS 1/5      | ABS module 1/5              | 1 | 0.64  | 74  |
| 560870   | ABS 4/5      | ABS module 4/5              | 1 | 0.73  | 99  |
| 560880   | ABS 1/10     | ABS module 1/10             | 1 | 0.64  | 74  |
| 560890   | ABS 2/10     | ABS module 2/10             | 1 | 0.73  | 99  |
| 560900   | ABS 3/10     | ABS module 3/10             | 1 | 0.81  | 124 |
| 560910   | ABS 160 x 10 | ABS kit 160 x 10            | 1 | 0.12  |     |
| 560920   | ABS 200 x 10 | ABS kit 200 x 10            | 1 | 0.16  |     |
| 560950   | ABS APS      | ABS profile stiffener kit   | 1 | 0.045 |     |
| 560960   | ABS-EA       | ABS ERIFLEX ERILINK adaptor | 1 | 0.170 |     |

### Freedom With Which To Select:

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

#### 1 Aluminum Profiles 2M 2 different options:

- Punched 25 mm holes pitch
- Plain to be drilled

#### 2 Single Kits Enabling Phase Assembly 5 different modules:

- 1/5: 1 bar 50-125 x 5 mm per phase
- 4/5: 2,3,4 bars 50-125 x 5 mm per phase
- 1/10: 1 bar 50-120 x 10 mm per phase\*
- 2/10: 2 bars 50-120 x 10 mm per phase\*
- 3/10: 3 bars 50-120 x 10 mm per phase\*

Aluminum Profile Rigidity  
How to improve the  
Bending Resistance,  
according to your  
configuration:



Single

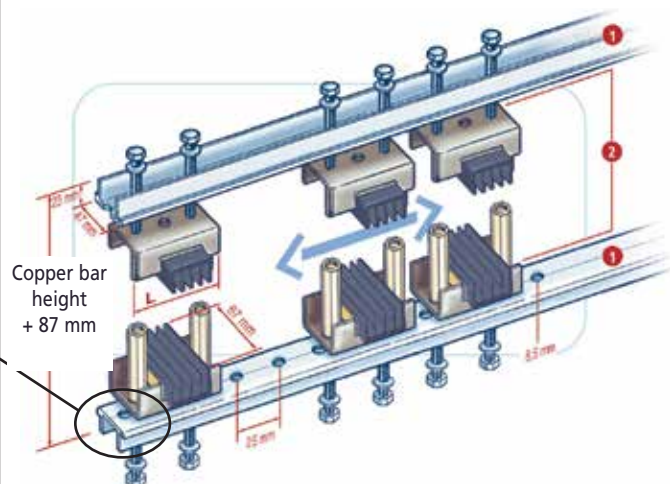


Double Version 1



Double Version 2

For calculation purpose:  
see ERIFLEX Software



### Accessories

\*In Addition To The Above Modules

- Kit 160 x 10 (for 160 x 10 copper bar)
- Kit 200 x 10 (for 200 x 10 copper bar)

In Addition To The Above Aluminum Profiles:

- Profile stiffener kit (ABS APS)  
Combined profile reinforced
- Aluminum profile fixing with panel

# Spacers and Accessories



- A complete range of accessories for easy distribution block assembly



## DMH M4-M5-M6

### Metallic spacers

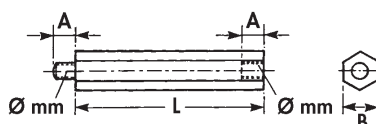
- Metallic hexagonal spacers
- Zinc plated steel
- To make higher plates, screens or profiles
- Male-female allowing stable mounting
- See drawing on DH

| Part No. | DESCRIPTION | L mm | Ø mm | A mm | B mm |     |  | kg     |
|----------|-------------|------|------|------|------|-----|--|--------|
| 561560   | DMH 10M4    | 10   | M4   | 8-10 | 7    | 100 |  | 0.003  |
| 561570   | DMH 15M4    | 15   | M4   | 8-10 | 7    | 100 |  | 0.005  |
| 561580   | DMH 20M4    | 20   | M4   | 8-10 | 7    | 100 |  | 0.007  |
| 561590   | DMH 25M4    | 25   | M4   | 8-10 | 7    | 50  |  | 0.008  |
| 561600   | DMH 30M4    | 30   | M4   | 8-10 | 7    | 50  |  | 0.010  |
| 561610   | DMH 35M4    | 35   | M4   | 8-10 | 7    | 50  |  | 0.012  |
| 561620   | DMH 40M4    | 40   | M4   | 8-10 | 7    | 50  |  | 0.0125 |
| 561630   | DMH 50M4    | 50   | M4   | 8-10 | 7    | 50  |  | 0.017  |
| 561640   | DMH 60M4    | 60   | M4   | 8-10 | 7    | 25  |  | 0.019  |
|          |             |      |      |      |      |     |  |        |
| 561660   | DMH 15M5    | 15   | M5   | 10   | 8    | 50  |  | 0.006  |
| 561670   | DMH 20M5    | 20   | M5   | 10   | 8    | 50  |  | 0.008  |
| 561680   | DMH 25M5    | 25   | M5   | 10   | 8    | 50  |  | 0.010  |
| 561690   | DMH 30M5    | 30   | M5   | 10   | 8    | 50  |  | 0.012  |
| 561700   | DMH 35M5    | 35   | M5   | 10   | 8    | 25  |  | 0.014  |
| 561710   | DMH 40M5    | 40   | M5   | 10   | 8    | 25  |  | 0.016  |
| 561720   | DMH 50M5    | 50   | M5   | 10   | 8    | 25  |  | 0.022  |
| 561730   | DMH 60M5    | 60   | M5   | 10   | 8    | 25  |  | 0.027  |
| 561740   | DMH 70M5    | 70   | M5   | 10   | 8    | 25  |  | 0.029  |
| 561750   | DMH 80M5    | 80   | M5   | 10   | 8    | 25  |  | 0.033  |
|          |             |      |      |      |      |     |  |        |
| 561760   | DMH 15M6    | 15   | M6   | 10   | 8    | 50  |  | 0.010  |
| 561770   | DMH 20M6    | 20   | M6   | 12   | 8    | 50  |  | 0.012  |
| 561780   | DMH 30M6    | 30   | M6   | 12   | 8    | 25  |  | 0.018  |
| 561790   | DMH 40M6    | 40   | M6   | 12   | 8    | 25  |  | 0.025  |
| 561800   | DMH 50M6    | 50   | M6   | 12   | 8    | 25  |  | 0.032  |
| 561810   | DMH 60M6    | 60   | M6   | 12   | 8    | 25  |  | 0.038  |
| 561820   | DMH 70M6    | 70   | M6   | 12   | 8    | 25  |  | 0.043  |
| 561830   | DMH 80M6    | 80   | M6   | 12   | 8    | 25  |  | 0.052  |
| 561840   | DMH 90M6    | 90   | M6   | 12   | 8    | 25  |  | 0.058  |
| 561850   | DMH 100M6   | 100  | M6   | 12   | 8    | 10  |  | 0.064  |

## DH M5-M6

### Spacers

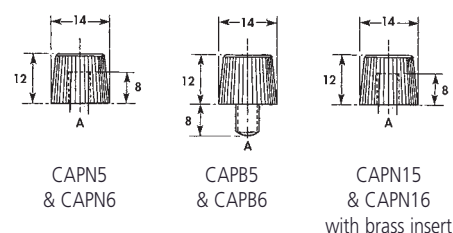
- Male-female
- Electrotechnical applications
- Insulating part made from polystyrol
- Threaded-end, made from zinc-plated steel
- Working temperature up to 80°C
- Insulation voltage 1000 V



| Part No. | DESCRIPTION | L mm | Ø mm | A mm | B mm |     |  | kg    |
|----------|-------------|------|------|------|------|-----|--|-------|
| 560660   | DH 15M5     | 15   | M5   | 7    | 13   | 100 |  | 0.004 |
| 560670   | DH 20M5     | 20   | M5   | 7    | 13   | 100 |  | 0.005 |
| 560680   | DH 30M5     | 30   | M5   | 7    | 13   | 100 |  | 0.006 |
| 560690   | DH 45M5     | 45   | M5   | 7    | 13   | 100 |  | 0.009 |
| 560620   | DH 55M5     | 55   | M5   | 7    | 13   | 100 |  | 0.011 |
| 560630   | DH 70M5     | 70   | M5   | 7    | 13   | 100 |  | 0.014 |
| 560640   | DH 85M5     | 85   | M5   | 7    | 13   | 100 |  | 0.017 |
| 560650   | DH 120M5    | 120  | M5   | 7    | 13   | 100 |  | 0.024 |
|          |             |      |      |      |      |     |  |       |
| 560740   | DH 15M6     | 15   | M6   | 7-8  | 13   | 100 |  | 0.004 |
| 560750   | DH 20M6     | 20   | M6   | 7-8  | 13   | 100 |  | 0.005 |
| 560700   | DH 30M6     | 30   | M6   | 7-8  | 13   | 100 |  | 0.009 |
| 560710   | DH 45M6     | 45   | M6   | 7-8  | 13   | 100 |  | 0.013 |
| 560720   | DH 70M6     | 70   | M6   | 7-8  | 13   | 100 |  | 0.020 |
| 560730   | DH 120M6    | 120  | M6   | 7-8  | 13   | 100 |  | 0.035 |

## CAPN-CAPB

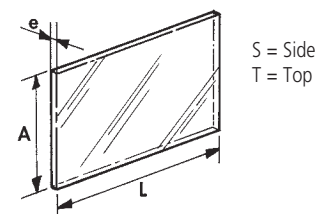
### Cap nuts



| Part No. | DESCRIPTION | A  |     |  | kg    |
|----------|-------------|----|-----|--|-------|
| 560800   | CAPN5       | M5 | 100 |  | 0.001 |
| 560810   | CAPN6       | M6 | 100 |  | 0.001 |
| 560820   | CAPN15      | M5 | 100 |  | 0.003 |
| 560830   | CAPN16      | M6 | 100 |  | 0.003 |
| 560840   | CAPB5       | M5 | 100 |  | 0.004 |
| 560850   | CAPB6       | M6 | 100 |  | 0.004 |

## PS

### Protection screen (made from PVC)



| Part No. | DESCRIPTION       | L mm | A mm | Ø mm | Mounts to  |    |  | kg    |
|----------|-------------------|------|------|------|------------|----|--|-------|
| 563120   | PS1000 x 60 x 3   | 1000 | 60   | 3    | BSC 125A/S | 10 |  | 0.302 |
| 563130   | PS500 x 120 x 3   | 500  | 120  | 3    | BSC 125A/T | 10 |  | 0.213 |
| 551330   | PS500 x 126 x 3   | 500  | 126  | 3    | BS 125A/T  | 10 |  | 0.224 |
| 551340   | PS1000 x 99 x 3   | 1000 | 99   | 3    | BS 125A/S  | 10 |  | 0.498 |
| 551260   | PS1000 x 250 x 3  | 1000 | 250  | 3    | BS 400/T   | 1  |  | 1.030 |
| 551280   | PS1000 x 2000 x 3 | 1000 | 2000 | 3    | -          | 1  |  | 8.4   |

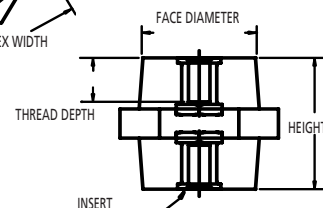
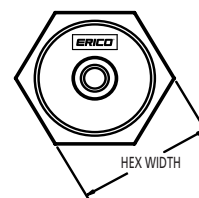
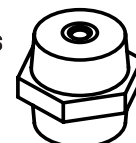


- Wide range of sizes from 1 inch to 3.5 inches
- Cost effective
- cULus recognized for strength and material
- Working range of -40°F to 266°F
- High resistance to leakage current

Pentair offers a full range of ERIFLEX low-voltage stand-off insulators from 1 inch to 3.5 inches with a total of 29 sizes available. The cost-effective insulators offer great stability of electrical and mechanical parameters and very high resistance to leakage current.

The insulators are manufactured from a halogen-free fiberglass-reinforced thermalset unsaturated polyester molded compound (BMC). Their electro-plated zinc inserts are threaded to ASME® standards. The insulators work in temperatures from -40°F to 266°F.

The stand-off insulators meet the requirements of UL® 94 VO for self-extinguishing materials and are UL Recognized to Standard 891, Supplement B, Dead-front Switchboards and Accessories, 600 volt, File No. E125470. The insulators are also UL recognized for Canada for material and strength. ERIFLEX insulators are the first on the market to be in compliance with the CSA® standard.



| DESCRIPTION         | Part No. | Part Height | Hex Width | Thread Dia | Thread Depth | Face Dia | Voltage AC | Max Working Load (lbs)* |            | Qty/box | Weight ea. (lbs) |
|---------------------|----------|-------------|-----------|------------|--------------|----------|------------|-------------------------|------------|---------|------------------|
|                     |          |             |           |            |              |          |            | Tensile                 | Cantilever |         |                  |
| ISO 1", 1/4-20*     | 559600   | 1           | 1-1/8     | 1/4        | 5/16         | 0.82     | 600        | 1500                    | 350        | 50      | 0.057            |
| ISO 1", 5/16-18*    | 559610   | 1           | 1-1/8     | 5/16       | 5/16         | 0.82     | 600        | 1500                    | 350        | 50      | 0.059            |
| ISO 1-1/4", 1/4-20  | 559620   | 1-1/4       | 1-5/8     | 1/4        | 5/16         | 1.41     | 750        | 2300                    | 675        | 25      | 0.118            |
| ISO 1-1/4", 3/8-16  | 559640   | 1-1/4       | 1-5/8     | 3/8        | 3/8          | 1.41     | 750        | 2300                    | 675        | 25      | 0.141            |
| ISO 1-3/8", 3/8-16  | 559650   | 1-3/8       | 1-3/4     | 3/8        | 3/8          | 1.43     | 750        | 2300                    | 1200       | 25      | 0.208            |
| ISO 1-1/2", 3/8-16  | 559660   | 1-1/2       | 2         | 3/8        | 3/8          | 1.68     | 1500       | 2300                    | 1200       | 25      | 0.347            |
| ISO 1-1/2", 1/4-20  | 559662   | 1-1/2       | 2         | 1/4        | 1/2          | 1.68     | 1500       | 2300                    | 1200       | 25      | 0.273            |
| ISO 1-1/2", 5/16-18 | 559663   | 1-1/2       | 2         | 5/16       | 1/2          | 1.68     | 1500       | 2300                    | 1200       | 25      | 0.276            |
| ISO 1-3/4", 3/8-16  | 559670   | 1-3/4       | 2         | 3/8        | 9/16         | 1.66     | 2000       | 3000                    | 1200       | 25      | 0.382            |
| ISO 1-3/4", 5/16-18 | 559671   | 1-3/4       | 2         | 5/16       | 1/2          | 1.66     | 2000       | 3000                    | 1200       | 25      | 0.311            |
| ISO 2", 1/2-13      | 559681   | 2           | 2         | 1/2        | 5/8          | 1.65     | 2300       | 3000                    | 1200       | 25      | 0.426            |
| ISO 2", 3/8-16      | 559680   | 2           | 2         | 3/8        | 9/16         | 1.65     | 2300       | 3000                    | 1200       | 25      | 0.419            |
| ISO 2", 5/16-18     | 559682   | 2           | 2         | 5/16       | 1/2          | 1.65     | 2300       | 3000                    | 1200       | 25      | 0.354            |
| ISO 2-1/8", 3/8-16  | 559683   | 2-1/8       | 2-1/2     | 3/8        | 5/8          | 2.14     | 2500       | 3000                    | 1300       | 25      | 0.629            |
| ISO 2-1/8", 1/2-13  | 559684   | 2-1/8       | 2-1/2     | 1/2        | 5/8          | 2.14     | 2500       | 3000                    | 1300       | 25      | 0.655            |
| ISO 2-1/8", 5/8-11  | 559685   | 2-1/8       | 2-1/2     | 5/8        | 5/8          | 2.14     | 2500       | 3000                    | 1300       | 25      | 0.745            |
| ISO 2-1/4", 1/2-13  | 559686   | 2-1/4       | 2-1/2     | 1/2        | 5/8          | 2.13     | 2700       | 4000                    | 1400       | 25      | 0.687            |
| ISO 2-1/4", 3/8-16  | 559687   | 2-1/4       | 2-1/2     | 3/8        | 5/8          | 2.13     | 2700       | 4000                    | 1400       | 25      | 0.657            |
| ISO 2-1/2", 1/2-13  | 559688   | 2-1/2       | 2-1/2     | 1/2        | 5/8          | 2.11     | 3200       | 4000                    | 1400       | 10      | 0.743            |
| ISO 2-1/2", 3/8-16  | 559689   | 2-1/2       | 2-1/2     | 3/8        | 5/8          | 2.11     | 3200       | 4000                    | 1400       | 10      | 0.714            |
| ISO 2-5/8", 5/8-11  | 559690   | 2-5/8       | 2-1/2     | 5/8        | 3/4          | 2.11     | 3400       | 4000                    | 1400       | 10      | 0.858            |
| ISO 2-3/4", 1/2-13  | 559691   | 2-3/4       | 2-1/2     | 1/2        | 5/8          | 2.10     | 3600       | 4000                    | 1400       | 10      | 0.799            |
| ISO 2-3/4", 3/8-16  | 559692   | 2-3/4       | 2-1/2     | 3/8        | 5/8          | 2.10     | 3600       | 4000                    | 1400       | 10      | 0.770            |
| ISO 3", 1/2-13      | 559693   | 3           | 2-1/2     | 1/2        | 5/8          | 2.08     | 4100       | 4000                    | 1400       | 10      | 0.853            |
| ISO 3", 3/8-16      | 559694   | 3           | 2-1/2     | 3/8        | 5/8          | 2.08     | 4100       | 4000                    | 1400       | 10      | 0.824            |
| ISO 3-1/4", 1/2-13  | 559695   | 3-1/4       | 2-1/2     | 1/2        | 5/8          | 2.06     | 4500       | 4000                    | 1400       | 10      | 0.907            |
| ISO 3-1/4", 3/8-16  | 559696   | 3-1/4       | 2-1/2     | 3/8        | 5/8          | 2.06     | 4500       | 4000                    | 1400       | 10      | 0.878            |
| ISO 3-1/2", 5/8-11  | 559697   | 3-1/2       | 2-1/2     | 5/8        | 3/4          | 2.05     | 5000       | 5000                    | 1400       | 10      | 1.047            |
| ISO 3-1/2", 3/8-16  | 559698   | 3-1/2       | 2-1/2     | 3/8        | 3/4          | 2.05     | 5000       | 5000                    | 1400       | 10      | 0.950            |

\* Not recognized for strength

## ISOBOLT

### INSULATOR MOUNTING KITS

- Complete with stud, washer, lock washer, nut
- ISO M sizes
- Zinc plated steel



| Part No. | DESCRIPTION   | Thread | Length mm | Box Qty | Weight ea. (lbs) |
|----------|---------------|--------|-----------|---------|------------------|
| 552200   | ISOBOLT 25 M6 | M6     | 25        | 20      | 0,008            |
| 552220   | ISOBOLT 30 M8 | M8     | 30        | 20      | 0,017            |

# Insulators

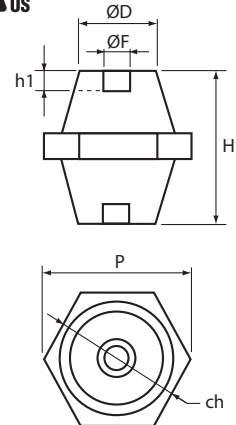
## ISO-TP Low Voltage Metric Insulators



- Working temperature -40°C up to 130°C
- Polyamide material reinforced with glass fiber
- Halogen free
- Zinc plated steel inserts, threaded to ISO standard
- Great stability of electrical and mechanical parameters
- Self-extinguishing: UL® 94 VO

| Part No. | Description   | Dimensional characteristics |       |            |       |       |      | Nominal Voltage |          | Mechanical                |                           |    |       |
|----------|---------------|-----------------------------|-------|------------|-------|-------|------|-----------------|----------|---------------------------|---------------------------|----|-------|
|          |               | H mm                        | Ch mm | ØF mm      | h1 mm | ØD mm | P mm | Alternating V   | Direct V | Tensile strength<br>→ daN | Bending strength<br>▲ daN |    |       |
| 548400   | ISO TP 15M4   | 15                          | 14    | M4 X 0,7   | 4     | 12    | 16   | 500             | 500      | 150                       | 100                       | 50 | 0,005 |
| 548410   | ISO TP 20M4   | 20                          | 17    | M4 X 0,7   | 4     | 15    | 20   | 1000            | 1500     | 150                       | 100                       | 50 | 0,008 |
| 548420   | ISO TP 20M6   | 20                          | 17    | M6 X 1     | 6     | 15    | 20   | 1000            | 1500     | 150                       | 100                       | 50 | 0,012 |
| 548700   | ISO TP 25M5   | 25                          | 19    | M5 X 0,8   | 6     | 18    | 20   | 1000            | 1500     | 300                       | 160                       | 50 | 0,016 |
| 548430   | ISO TP 25M6   | 25                          | 19    | M6 X 1     | 6     | 18    | 20   | 1000            | 1500     | 300                       | 160                       | 50 | 0,016 |
| 548440   | ISO TP 30M6   | 30                          | 30    | M6 X 1     | 8     | 26    | 34   | 1000            | 1500     | 600                       | 300                       | 25 | 0,034 |
| 548450   | ISO TP 30M8   | 30                          | 30    | M8 X 1,25  | 8     | 26    | 34   | 1000            | 1500     | 600                       | 300                       | 25 | 0,046 |
| 548470   | ISO TP 35M6L  | 35                          | 41    | M6 X 1     | 8     | 34    | 46   | 1000            | 1500     | 1100                      | 500                       | 25 | 0,062 |
| 548480   | ISO TP 35M8   | 35                          | 41    | M8 X 1,25  | 8     | 34    | 46   | 1000            | 1500     | 1100                      | 800                       | 25 | 0,074 |
| 548490   | ISO TP 35M10  | 35                          | 41    | M10 X 1,5  | 10    | 34    | 46   | 1000            | 1500     | 1100                      | 800                       | 25 | 0,092 |
| 548500   | ISO TP 40M6   | 40                          | 46    | M6 X 1     | 9     | 40    | 53   | 1000            | 1500     | 1100                      | 800                       | 25 | 0,098 |
| 548510   | ISO TP 40M8   | 40                          | 46    | M8 X 1,25  | 8     | 40    | 53   | 1000            | 1500     | 1100                      | 800                       | 25 | 0,104 |
| 548520   | ISO TP 40M10  | 40                          | 46    | M10 X 1,5  | 10    | 40    | 53   | 1000            | 1500     | 1100                      | 450                       | 25 | 0,102 |
| 548511   | ISO TP 40M12  | 40                          | 46    | M12 X 1,75 | 14,5  | 40    | 53   | 1000            | 1500     | 1100                      | 450                       | 25 | 0,102 |
| 548530   | ISO TP 45M6   | 45                          | 41    | M6 X 1     | 9     | 34    | 47   | 1000            | 1500     | 1100                      | 650                       | 25 | 0,104 |
| 548540   | ISO TP 45M8   | 45                          | 41    | M8 X 1,25  | 15    | 34    | 47   | 1000            | 1500     | 1100                      | 650                       | 25 | 0,136 |
| 548550   | ISO TP 45M8L  | 45                          | 50    | M8 X 1,25  | 15    | 41    | 57   | 1000            | 1500     | 1800                      | 1000                      | 25 | 0,132 |
| 548560   | ISO TP 45M10  | 45                          | 50    | M10 X 1,5  | 10    | 41    | 57   | 1000            | 1500     | 1800                      | 700                       | 25 | 0,116 |
| 548570   | ISO TP 50M6   | 50                          | 50    | M6 X 1     | 9     | 41    | 57   | 1000            | 1500     | 2000                      | 700                       | 25 | 0,152 |
| 548580   | ISO TP 50M8   | 50                          | 50    | M8 X 1,25  | 15    | 41    | 57   | 1000            | 1500     | 2000                      | 1000                      | 25 | 0,148 |
| 548590   | ISO TP 50M10  | 50                          | 50    | M10 X 1,5  | 10    | 41    | 57   | 1000            | 1500     | 2000                      | 1000                      | 25 | 0,196 |
| 548581   | ISO TP 50M12  | 50                          | 50    | M12 X 1,75 | 14,5  | 41    | 57   | 1000            | 1500     | 2000                      | 1000                      | 25 | 0,190 |
| 548600   | ISO TP 60M8   | 60                          | 55    | M8 X 1,25  | 15    | 44    | 63   | 1000            | 1500     | 2200                      | 1000                      | 25 | 0,192 |
| 548610   | ISO TP 60M10  | 60                          | 55    | M10 X 1,5  | 10    | 44    | 63   | 1000            | 1500     | 2200                      | 1000                      | 25 | 0,380 |
| 548601   | ISO TP 60M12  | 60                          | 55    | M12 X 1,75 | 14,5  | 44    | 63   | 1000            | 1500     | 2200                      | 1000                      | 25 | 0,360 |
| 548602   | ISO TP 60M16  | 60                          | 55    | M16 X 2    | 20    | 44    | 63   | 1000            | 1500     | 2200                      | 1000                      | 25 | 0,350 |
| 548609   | ISO TP 70M10  | 70                          | 65    | M10 X 1,5  | 10    | 52    | 75   | 1000            | 1500     | 2200                      | 1000                      | 10 | 0,480 |
| 548620   | ISO TP 70M12  | 70                          | 65    | M12 X 1,75 | 14    | 52    | 75   | 1000            | 1500     | 2500                      | 1600                      | 10 | 0,470 |
| 548630   | ISO TP 70M16  | 70                          | 65    | M16 X 2    | 20    | 52    | 75   | 1000            | 1500     | 2500                      | 1600                      | 10 | 0,374 |
| 548629   | ISO TP 75M10  | 75                          | 65    | M10 X 1,5  | 10    | 51    | 75   | 1000            | 1500     | 2200                      | 1000                      | 10 | 0,530 |
| 548640   | ISO TP 75M12  | 75                          | 65    | M12 X 1,75 | 14    | 51    | 75   | 1000            | 1500     | 3000                      | 1600                      | 10 | 0,470 |
| 548650   | ISO TP 75M16  | 75                          | 65    | M16 X 2    | 20    | 51    | 75   | 1000            | 1500     | 3000                      | 1600                      | 10 | 0,382 |
| 548660   | ISO TP 80M12  | 80                          | 65    | M12 X 1,75 | 14    | 52    | 75   | 1000            | 1500     | 3000                      | 1600                      | 10 | 0,510 |
| 548670   | ISO TP 80M16  | 80                          | 65    | M16 X 2    | 20    | 52    | 75   | 1000            | 1500     | 3000                      | 1600                      | 10 | 0,404 |
| 548680   | ISO TP 100M12 | 100                         | 65    | M12 X 1,75 | 14    | 46    | 75   | 1000            | 1500     | 3000                      | 1000                      | 10 | 0,476 |
| 548690   | ISO TP 100M16 | 100                         | 65    | M16 X 2    | 20    | 46    | 75   | 1000            | 1500     | 3000                      | 1500                      | 10 | 0,508 |

- CE Conformity
- RoHS 2002/95/EC Compliance
- IEC compliance
- UL Recognized in E125470 and evaluated for dielectric with-stand rating of 1500 Vac/Vdc
- GOST



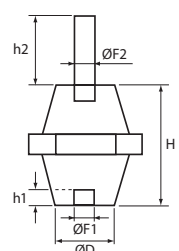
**On Request:**

- Other Dimensions
- Brass Inserts

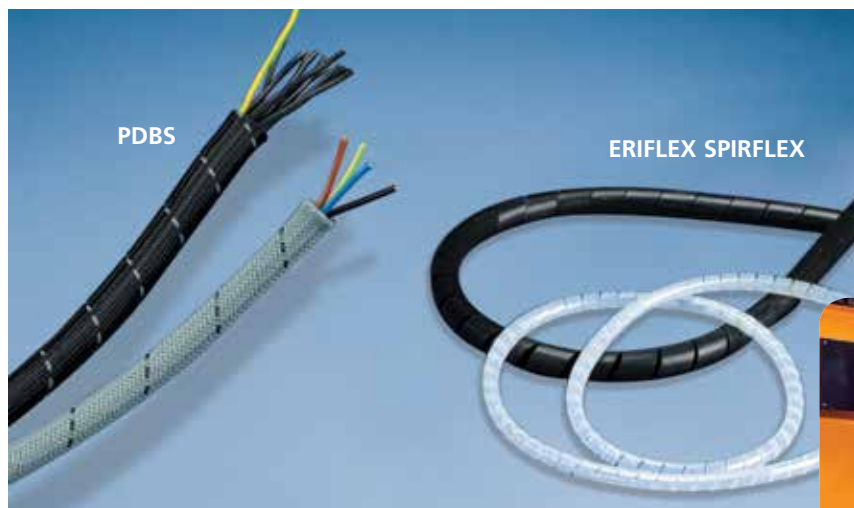


## Low Voltage Metric Male / Female Insulators

| Part No. | Description                | Dimensional characteristics |       |            |       |            |       |       |      | Nominal Voltage |          | Mechanical                |                           |    |      |
|----------|----------------------------|-----------------------------|-------|------------|-------|------------|-------|-------|------|-----------------|----------|---------------------------|---------------------------|----|------|
|          |                            | H mm                        | Ch mm | ØF1 mm     | H1 mm | ØF2 mm     | H2 mm | ØD mm | P mm | Alternating V   | Direct V | Tensile strength<br>→ daN | Bending strength<br>▲ daN |    |      |
| 541600   | ISO TP 60F10M16            | 60                          | 55    | M10 X 1,5  | 10    | M16 X 2    | 40    | 44    | 63   | 1000            | 1500     | 2200                      | 1000                      | 25 | 0.45 |
| 541601   | ISO TP 60F12M16            | 60                          | 55    | M12 X 1,75 | 14    | M16 X 2    | 40    | 44    | 63   | 1000            | 1500     | 2200                      | 1000                      | 25 | 0.44 |
| 542030   | ISO TP 30 MM8X17/FM8X8     | 30                          | 30    | M 8 X 1,25 | 8     | M 8 X 1,25 | 17    | 26    | 34   | 1000            | 1500     | 600                       | 300                       | 25 | 0.05 |
| 542050   | ISO TP 40 MM8X17/FM8X8     | 40                          | 46    | M 8 X 1,25 | 8     | M 8 X 1,25 | 17    | 40    | 53   | 1000            | 1500     | 1100                      | 650                       | 25 | 0.11 |
| 542070   | ISO TP 50 MM8X17/FM8X15    | 50                          | 50    | M 8 X 1,25 | 15    | M 8 X 1,25 | 17    | 41    | 57   | 1000            | 1500     | 2000                      | 1000                      | 25 | 0.15 |
| 542080   | ISO TP 60 MM8X17/FM8X15    | 60                          | 55    | M 8 X 1,25 | 15    | M 8 X 1,25 | 17    | 44    | 63   | 1000            | 1500     | 2200                      | 1000                      | 25 | 0.19 |
| 542110   | ISO TP 80 MM8X17/FM8X15    | 80                          | 65    | M 8 X 1,25 | 15    | M 8 X 1,25 | 17    | 52    | 75   | 1000            | 1500     | 2200                      | 1000                      | 10 | 0.35 |
| 542120   | ISO TP 100 MM12X25/FM12X20 | 100                         | 65    | M12 X 1,75 | 20    | M12 X 1,75 | 20    | 46    | 75   | 1000            | 1500     | 3000                      | 1000                      | 10 | 0.51 |



## Cabling Sleeves



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



### PDBS

#### Polyamide 6/6 Braided Sleeves

- Highly expandable
- Provide complete wire coverage up to Ø 80 mm
- Halogen free
- Compact range: 10 parts only
- 2 colors: grey or black

|                    |           |
|--------------------|-----------|
|                    | Polyamide |
| Density (Kg/dm³)   | 1,14      |
| Min. working T°    | - 40°C    |
| Max. working T°    | + 120°C   |
| Max. T° 1s         | 240°C     |
| Self-extinguishing | UL 94 V2  |



| Part No. | DESCRIPTION GREY | Part No. | DESCRIPTION BLACK | Diameter (mm) |            |      |            |      |            | Box | kg    |
|----------|------------------|----------|-------------------|---------------|------------|------|------------|------|------------|-----|-------|
|          |                  |          |                   | Nom.          | Covering % | Min. | Covering % | Max. | Covering % |     |       |
| 554430   | PDBS 5G          | 554730   | PDBS 5B           | 5             | 97%        | 4    | 100%       | 8    | 90%        | 100 | 0.010 |
| 554450   | PDBS 8G          | 554750   | PDBS 8B           | 8             | 94%        | 6    | 100%       | 10   | 91%        | 100 | 0.013 |
| 554460   | PDBS 10G         | 554760   | PDBS 10B          | 10            | 95%        | 8    | 100%       | 14   | 94%        | 100 | 0.014 |
| 554470   | PDBS 12G         | 554770   | PDBS 12B          | 12            | 96%        | 10   | 100%       | 16   | 94%        | 50  | 0.018 |
| 554490   | PDBS 16G         | 554790   | PDBS 16B          | 16            | 96%        | 14   | 100%       | 18   | 98%        | 50  | 0.022 |
| 554510   | PDBS 20G         | 554810   | PDBS 20B          | 20            | 95%        | 16   | 100%       | 25   | 99%        | 50  | 0.026 |
| 554530   | PDBS 30G         | 554830   | PDBS 30B          | 30            | 90%        | 20   | 100%       | 35   | 92%        | 50  | 0.029 |
| 554550   | PDBS 40G         | 554850   | PDBS 40B          | 40            | 90%        | 30   | 100%       | 45   | 94%        | 50  | 0.038 |
| 554560   | PDBS 50G         | 554860   | PDBS 50B          | 50            | 95%        | 40   | 100%       | 65   | 100%       | 50  | 0.048 |
| 554570   | PDBS 70G         | 554870   | PDBS 70B          | 70            | 94%        | 60   | 100%       | 80   | 99%        | 50  | 0.054 |

**\* On Request:**  
 - Polyester Sleeves  
 - Rilsan Sleeves  
 - Other Material On Study

### ERIFLEX SPIRFLEX

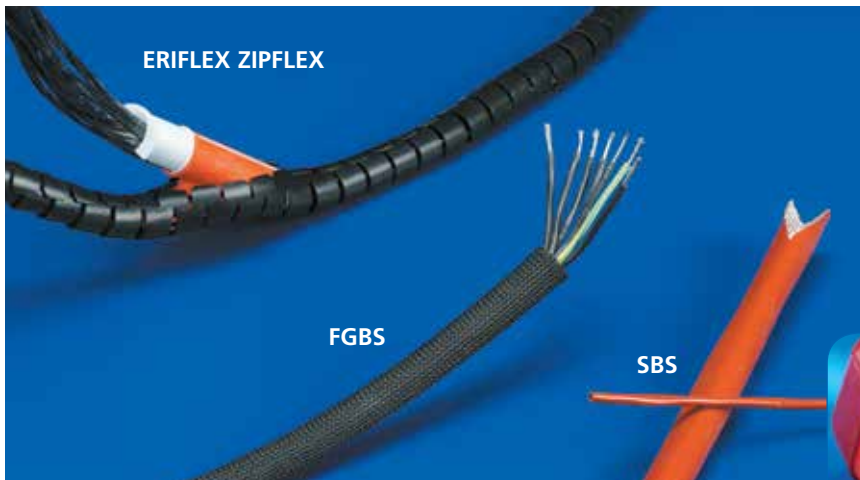
#### ERIFLEX SPIRFLEX Spiral Sleeves

- ERIFLEX SPIRFLEX I:
  - Flame - retardant polyethylene (M2)
  - Color: black
- ERIFLEX SPIRFLEX X
  - White

| Part No. | DESCRIPTION           | Internal dia. mm | Color | Box  | kg    |
|----------|-----------------------|------------------|-------|------|-------|
| 556000   | ERIFLEX SPIRFLEX I 6  | 6                | black | 50 m | 0.012 |
| 556010   | ERIFLEX SPIRFLEX I 12 | 12               | black | 25 m | 0.034 |
| 556020   | ERIFLEX SPIRFLEX I 16 | 16               | black | 25 m | 0.046 |
| 556030   | ERIFLEX SPIRFLEX I 22 | 22               | black | 25 m | 0.060 |
| 556100   | ERIFLEX SPIRFLEX X 6  | 6                | white | 50 m | 0.012 |
| 556110   | ERIFLEX SPIRFLEX X 12 | 12               | white | 25 m | 0.034 |

Products on this page are  
world wide and are not UL® Recognized

## Cabling Sleeves



- **ERIFLEX ZIPFLEX:**  
Easy screening using ERIFLEX specific tool
- Glass fiber & isolating silicone sleeves: resistant to high temperature



### ERIFLEX ZIPFLEX ERIFLEX ZIPFLEX Sleeves

- Polypropylene
- Easy and quick screening
- Practical tool included in every box
- Color: black
- Usage maxi: T° 140° C
- Usage mini: T° - 30° C
- Continue: T° -30 till + 110° C
- Halogen free UL® 94 HB



| Part No. | DESCRIPTION        | Internal dia. mm | kg          |
|----------|--------------------|------------------|-------------|
| 554880   | ERIFLEX ZIPFLEX 8  | 8                | 100 m 0.015 |
| 554890   | ERIFLEX ZIPFLEX 15 | 15               | 50 m 0.044  |
| 554900   | ERIFLEX ZIPFLEX 20 | 20               | 30 m 0.070  |
| 554910   | ERIFLEX ZIPFLEX 25 | 25               | 20 m 0.100  |

### FGBS Glass Fiber Braided Sleeves

- Glass fiber impregnated with high temperature varnish
- Thermal insulation and mechanical protection
- Working temperature: -70°C up to 400°C
- Halogen free
- Flammability UL 1441 VW1
- Expandable on a 1 to 3 ratio basis

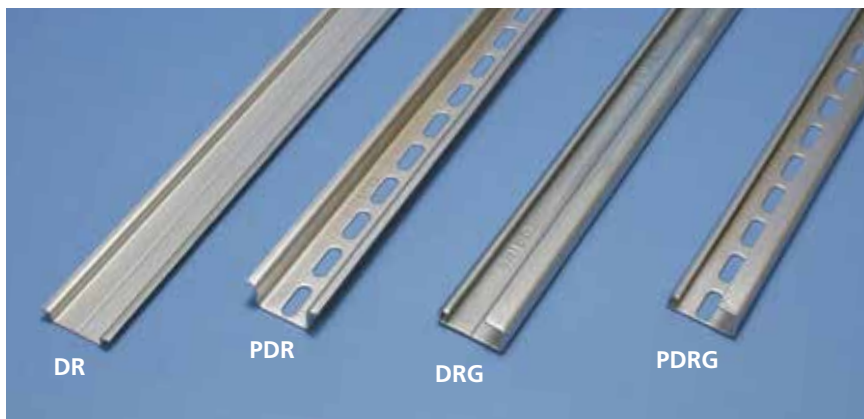
| Part No. | DESCRIPTION | Nominal dia. mm | Max expanded dia. mm | kg          |
|----------|-------------|-----------------|----------------------|-------------|
| 556200   | FGBS 4      | 4               | 12                   | 100 m 0.010 |
| 556210   | FGBS 8      | 8               | 24                   | 100 m 0.014 |
| 556220   | FGBS 10     | 10              | 30                   | 100 m 0.016 |
| 556230   | FGBS 12     | 12              | 36                   | 100 m 0.018 |
| 556240   | FGBS 15     | 15              | 45                   | 50 m 0.030  |
| 556250   | FGBS 20     | 20              | 60                   | 50 m 0.044  |

### SBS Isolating Silicone Sleeves

- Glass fiber coated with silicone
- Cost effective sleeve for insulation
- High flexibility
- Dielectric voltage: 2.5 Kv
- Working temperature: -60° up to 220°C
- Halogen free
- Flammability UL 1441 VW1

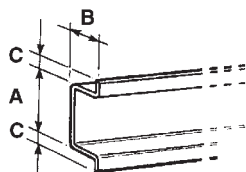
| Part No. | DESCRIPTION | Internal dia. mm | kg          |
|----------|-------------|------------------|-------------|
| 554000   | SBS 4       | 4                | 100 m 0.020 |
| 554010   | SBS 6       | 6                | 100 m 0.038 |
| 554020   | SBS 8       | 8                | 100 m 0.050 |
| 554030   | SBS 10      | 10               | 100 m 0.054 |
| 554040   | SBS 12      | 12               | 100 m 0.070 |
| 554050   | SBS 15      | 15               | 25 m 0.111  |
| 554060   | SBS 20      | 20               | 25 m 0.148  |
| 554070   | SBS 25      | 25               | 30 m 0.185  |
| 554080   | SBS 30      | 30               | 30 m 0.222  |

## Steel Profiles



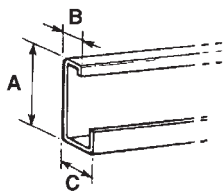
- Galvanized steel construction
- High mechanical resistance and high corrosion resistance
- Conforms to EN 50035 and 50022 and DIN 46277
- Available in symmetric, asymmetric profiles both perforated and solid

### DR Symmetric Profiles



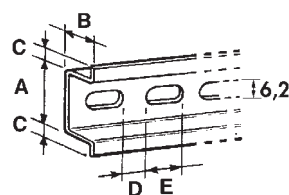
| Part No. | DESCRIPTION | Thickness mm | A mm | B mm | C mm | Lg m |    |      |
|----------|-------------|--------------|------|------|------|------|----|------|
| 557700   | DR 5.5 2 m  | 10/10        | 10.5 | 5.5  | 2    | 2    | 15 | 0.73 |
| 557800   | DR 7 2 m    | 10/10        | 27   | 7.5  | 4    | 2    | 15 | 1.45 |
| 557900   | DR 15 2 m   | 15/10        | 27   | 15   | 4    | 2    | 15 | 2.87 |

### DRG Asymmetric Profiles



| Part No. | DESCRIPTION | Thickness mm | A mm | B mm | C mm | Lg m |    |      |
|----------|-------------|--------------|------|------|------|------|----|------|
| 558000   | DRG 2M      | 15/10        | 32   | 9    | 15   | 2    | 15 | 1.40 |

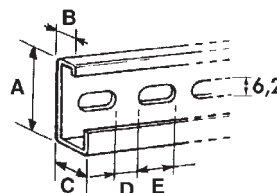
### PDR Perforated Symmetric Profiles



| Part No. | Description | Thickness mm | A mm | B mm | C mm | D mm | E mm | Lg m |    |      |
|----------|-------------|--------------|------|------|------|------|------|------|----|------|
| 557750   | PDR 5.5 2M  | 10/10        | 10.5 | 5.5  | 2    | 7.8  | 12.2 | 2    | 15 | 0.62 |
| 557850   | PDR 7 2M    | 10/10        | 27   | 7.5  | 4    | 7    | 18   | 2    | 15 | 1.37 |
| 557855   | PDR 7 2M*   | 10/10        | 27   | 7.5  | 4    | 10   | 25   | 2    | 15 | 1.37 |
| 557950   | PDR 15 2M   | 15/10        | 27   | 15   | 4    | 7    | 18   | 2    | 15 | 2.65 |
| 557955   | PDR 15 2M*  | 10/10        | 27   | 15   | 4    | 10   | 25   | 2    | 15 | 2.65 |

\*Slot width to be 5.2

### PDRG Perforated Asymmetric Profiles



| Part No. | Description | Thickness mm | A mm | B mm | C mm | D mm | E mm | Lg m |    |      |
|----------|-------------|--------------|------|------|------|------|------|------|----|------|
| 558050   | PDRG 2M     | 15/10        | 32   | 9    | 15   | 7    | 18   | 2    | 15 | 3.04 |

# Cross Reference List

| Part Number | Page | Part Number | Page | Part Number | Page | Part Number | Page | Part Number | Page | Part Number | Page |
|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| 504971      | 14   | 549340      | 17   | 550910      | 7    | 554000      | 26   | 559682      | 23   | 561520      | 20   |
| 504980      | 14   | 549350      | 17   | 550920      | 7    | 554010      | 26   | 559683      | 23   | 561530      | 20   |
| 504991      | 14   | 549360      | 17   | 550930      | 7    | 554020      | 26   | 559684      | 23   | 561540      | 20   |
| 541600      | 24   | 549370      | 17   | 550940      | 7    | 554030      | 26   | 559685      | 23   | 561550      | 20   |
| 541601      | 24   | 549380      | 17   | 550950      | 7    | 554040      | 26   | 559686      | 23   | 561560      | 22   |
| 542030      | 24   | 549390      | 17   | 550960      | 7    | 554050      | 26   | 559687      | 23   | 561570      | 22   |
| 542050      | 24   | 549400      | 17   | 550970      | 7    | 554060      | 26   | 559688      | 23   | 561580      | 22   |
| 542070      | 24   | 549410      | 17   | 550980      | 7    | 554070      | 26   | 559689      | 23   | 561590      | 22   |
| 542080      | 24   | 549420      | 17   | 551000      | 19   | 554080      | 26   | 559690      | 23   | 561600      | 22   |
| 542110      | 24   | 549430      | 17   | 551010      | 19   | 554430      | 25   | 559691      | 23   | 561610      | 22   |
| 542120      | 24   | 549450      | 17   | 551020      | 19   | 554450      | 25   | 559692      | 23   | 561620      | 22   |
| 548400      | 24   | 549460      | 17   | 551060      | 19   | 554460      | 25   | 559693      | 23   | 561630      | 22   |
| 548410      | 24   | 549470      | 17   | 551070      | 20   | 554470      | 25   | 559694      | 23   | 561640      | 22   |
| 548420      | 24   | 549480      | 17   | 551080      | 20   | 554490      | 25   | 559695      | 23   | 561660      | 22   |
| 548430      | 24   | 549600      | 7    | 551090      | 20   | 554510      | 25   | 559696      | 23   | 561670      | 22   |
| 548440      | 24   | 549610      | 7    | 551151      | 15   | 554530      | 25   | 559697      | 23   | 561680      | 22   |
| 548450      | 24   | 549620      | 7    | 551181      | 15   | 554550      | 25   | 559698      | 23   | 561690      | 22   |
| 548470      | 24   | 549630      | 7    | 551190      | 13   | 554560      | 25   | 560600      | 22   | 561700      | 22   |
| 548480      | 24   | 549640      | 7    | 551260      | 22   | 554570      | 25   | 560610      | 22   | 561710      | 22   |
| 548490      | 24   | 549650      | 7    | 551280      | 22   | 554880      | 26   | 560620      | 22   | 561720      | 22   |
| 548500      | 24   | 549700      | 7    | 551330      | 22   | 554890      | 26   | 560630      | 22   | 561730      | 22   |
| 548510      | 24   | 549710      | 7    | 551340      | 22   | 554900      | 26   | 560640      | 22   | 561740      | 22   |
| 548511      | 24   | 549720      | 7    | 551350      | 13   | 554910      | 26   | 560650      | 22   | 561750      | 22   |
| 548520      | 24   | 549730      | 7    | 552050      | 15   | 556000      | 25   | 560660      | 22   | 561760      | 22   |
| 548530      | 24   | 549740      | 7    | 552070      | 15   | 556010      | 25   | 560670      | 22   | 561770      | 22   |
| 548540      | 24   | 549750      | 7    | 552200      | 23   | 556020      | 25   | 560700      | 22   | 561780      | 22   |
| 548550      | 24   | 549760      | 7    | 552220      | 23   | 556030      | 25   | 560710      | 22   | 561790      | 22   |
| 548560      | 24   | 550160      | 6    | 553020      | 8    | 556100      | 25   | 560720      | 22   | 561800      | 22   |
| 548570      | 24   | 550180      | 6    | 553030      | 8    | 556110      | 25   | 560730      | 22   | 561810      | 22   |
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| 548581      | 24   | 550200      | 6    | 553050      | 8    | 556210      | 26   | 560750      | 22   | 561830      | 22   |
| 548590      | 24   | 550210      | 6    | 553060      | 8    | 556220      | 26   | 560800      | 22   | 561840      | 22   |
| 548600      | 24   | 550220      | 6    | 553070      | 8    | 556230      | 26   | 560810      | 22   | 561850      | 22   |
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| 548670      | 24   | 550420      | 7    | 553250      | 8    | 557900      | 27   | 560920      | 21   | 562830      | 13   |
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| 549320      | 17   | 550900      | 7    | 553540      | 9    | 559681      | 23   | 561510      | 19   |             |      |





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