

Shield (Screen) Connecting System Description and Handling



Carrier with grounding foot
45 mm/1.772 in long, busbar 90° to the rail
Item No. 790-113



Carrier with grounding foot
45 mm/1.772 in long, busbar parallel to the rail
Item No. 790-114

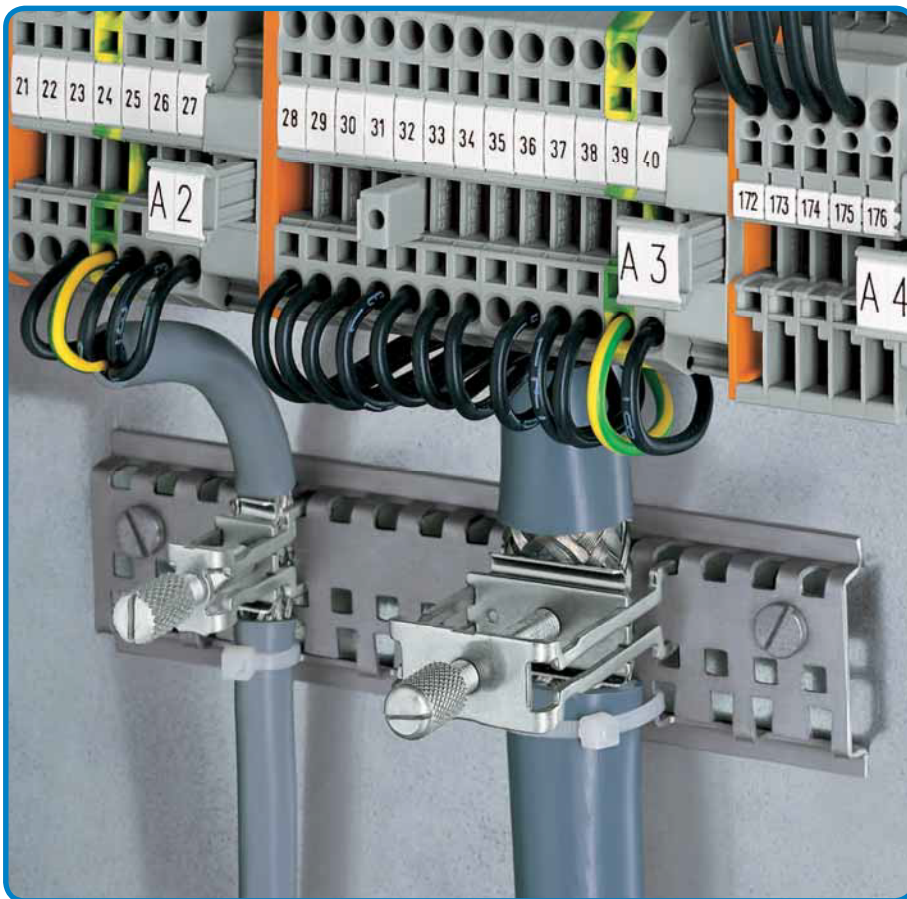


Carrier with 2 grounding feet
125 mm/4.921 in long, busbar parallel to the rail
Item No. 790-115

for all sizes of shield (screen) clamping saddles



Using a stand off
with a special slotted carrier rail

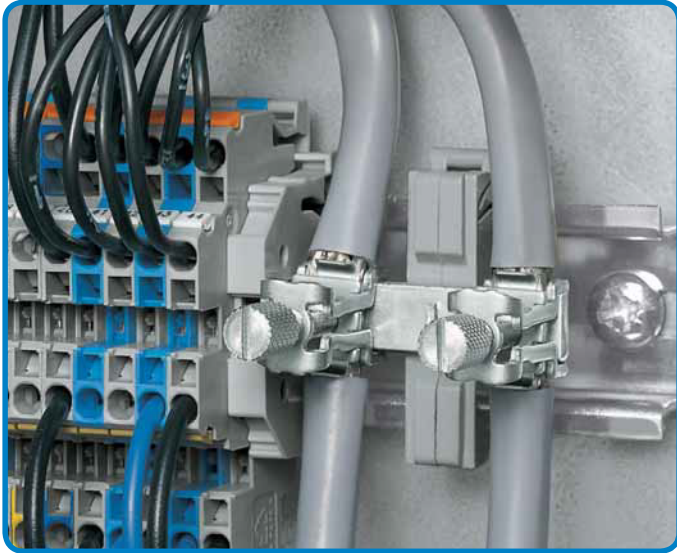


Addition of a shield (screen) clamping saddle.



Tightening/releasing a shield (screen) clamping saddle. To attach the clamping saddle, tighten the knurled screw. To remove, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.

Mounting Options Based on Application



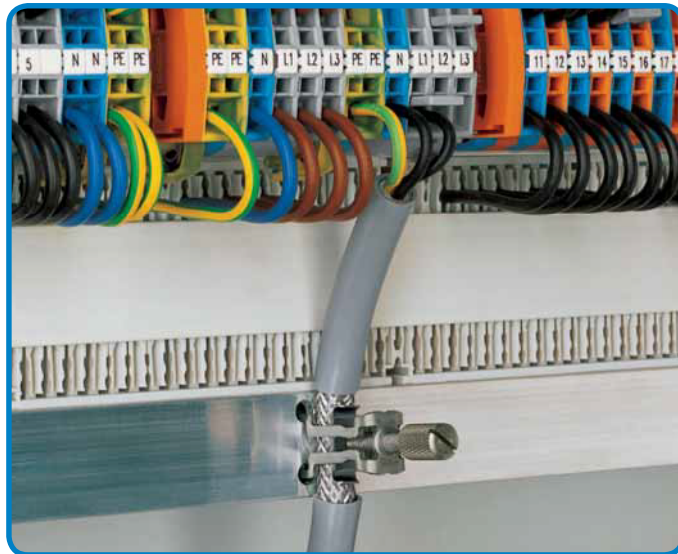
- carrier with grounding foot, busbar parallel to the rail



- isolated mounting carriers for a common shield (screen) reference potential, independent of the housing potential

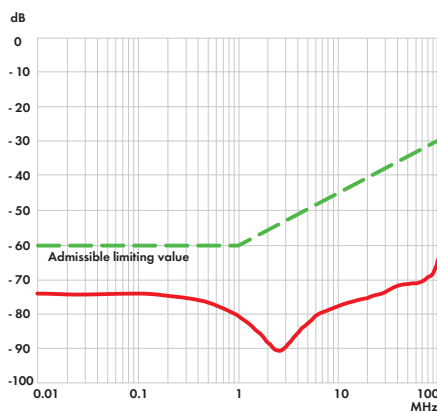


- U-shaped copper busbar 10 mm (0.394 in) x 3 mm (0.118 in)



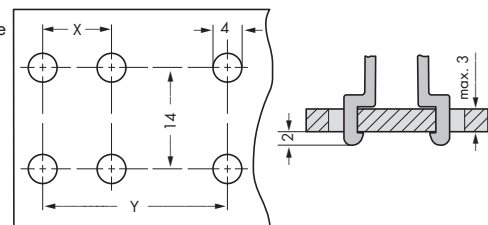
- snap into any metal plate up to max. thickness 3 mm/0.118 in

Negative shield (screen) attenuation



Shield (screen) clamping saddle size

| | | |
|------------|-------|---------|
| Distance X | 11 mm | 9.5 mm |
| Distance Y | 19 mm | 17.5 mm |
| | 27 mm | 25.5 mm |
| | 43 mm | 41.5 mm |



Hole dimensions for panel mounting

The WAGO shield (screen) connecting system is highly effective because the clamping unit can be brought very close to the unshielded part of the cable. Additionally, the spring material is part of the clamping saddle, giving good electrical connection and compensating for any deformation in the braiding. The system also acts as a partial strain relief.

Accessories for Shield (Screen) Clamping Saddles and Shield (Screen) Clamps

Carrier with grounding foot



| Description | | Item No. | Pack. Unit |
|-------------------------------|---|----------|------------|
| Carrier with grounding foot | bar 90° to the rail, 10 mm (0.394 in) x 3 mm (0.118 in), bar a. foot - Cu with tin plating, 45 mm/1.774 in long | 790-113 | 25 |
| Carrier with grounding foot | bar parallel to the rail, 10 mm (0.394 in) x 3 mm (0.118 in), bar a. foot - Cu with tin plating, 15 mm/0.591 in long | 790-110 | 25 |
| Carrier with grounding foot | bar parallel to the rail, 10 mm (0.394 in) x 3 mm (0.118 in), bar a. foot - Cu with tin plating, 25 mm/0.986 in long | 790-112 | 25 |
| Carrier with grounding foot | bar parallel to the rail, 10 mm (0.394 in) x 3 mm (0.118 in), bar a. foot - Cu with tin plating, 45 mm/1.774 in long | 790-114 | 25 |
| Carrier with 2 grounding feet | bar parallel to the rail, 10 mm (0.394 in) x 3 mm (0.118 in), bar a. foot - Cu with tin plating, 125 mm/4.929 in long | 790-115 | 25 |

Suitable shield (screen) clamping saddle or shield (screen)

clamps for carrier with grounding foot 790-110 = 790-108;

Carrier with grounding foot 790-112 = 790-108, 790-116, 791-111, 791-117;

Carrier with grounding foot 790-114 = 790-108, 790-116, 790-124, 790-140, 791-107, 791-111, 791-117, 791-124

Carrier rail

Stand off

Shield termination



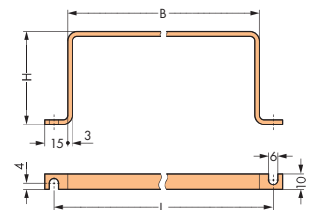
| Description | | Item No. | Pack. Unit |
|---|---|----------|-------------|
| Carrier rail | special slotted, 1000 mm/3'3" long, Cu with tin plating, special lengths on request | 790-145 | 1 |
| Stand off | for special slotted carrier rail, use M 5 size screw | 790-144 | 200 (2x100) |
| Shield termination including cable tie for shield | | | |
| diameter 5 mm /0.197 in to 10 mm /0.394 in | 55 mm/2.169 in long | 709-350 | 100 (4x25) |
| | 150 mm/ 5.914 in long | 709-352 | 100 (4x25) |

Straight busbar

Isolated mounting foot

Isolated mounting foot

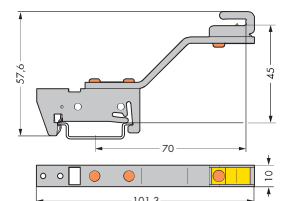
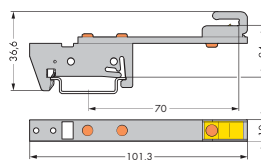
U-shaped busbar



| Description | | Item No. | Pack. Unit |
|--|---|----------|------------|
| Straight busbar, 10 mm (0.394 in) x 3 mm (0.118 in), bar - Cu with tin plating | 1000 mm/3'3" long | 210-133 | 20 (20x1) |
| | 30 mm/1.181 in long | 790-133 | 20 (20x1) |
| | 50 mm/1.969 in long | 790-134 | 20 (20x1) |
| Isolated mounting foot | for busbar, with standard screw M 4 x 8 mm | 790-100 | 50 (2x25) |
| Isolated mounting foot | for busbar, with sheet metal screw (3.5 x 9) mm | 790-101 | 50 (2x25) |
| U-shaped busbar, 10 mm (0.394 in) x 3 mm (0.118 in), Cu with tin plating | Dimensions (W x H x L) mm; 63 x 60 x 83 | 790-190 | 25 (5x5) |
| | Dimensions (W x H x L) mm; 100 x 60 x 118 | 790-191 | 25 (25x1) |
| | Dimensions (W x H x L) mm; 63 x 35 x 83 | 790-192 | 25 (5x5) |
| | Dimensions (W x H x L) mm; 100 x 35 x 118 | 790-193 | 25 (25x1) |

Busbar carrier

Busbar carrier, angulate



| Description | | Item No. | Pack. Unit |
|--------------------------|---|----------|------------|
| Busbar carrier | for busbars, 10 mm (0.394 in) x 3 mm (0.118 in) - Cu with tin plating | 790-300 | 10 |
| Busbar carrier, angulate | for busbars, 10 mm (0.394 in) x 3 mm (0.118 in) - Cu with tin plating | 790-301 | 10 |