

Data sheet | Item number: 790-140

Shield clamping saddle; diameter of compatible conductor

www.wago.com/790-140



RoHS 
Compliant

[BOMcheck.net](https://www.bomcheck.net)

Item description

Safety information 1:

Note: Not suitable for connecting ground conductors!

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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Data

Technical Data

Main product function	Shield clamping saddles
Safety information 1	Note: Not suitable for connecting ground conductors!

Geometrical Data

Width	43 mm / 1.693 inch
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Material Data

Weight	30.8 g
Material	Steel V2A





Commercial data

Product Group	2 (Terminal Block Accessories)
Packaging type	BOX
Country of origin	DE
GTIN	4017332389662
Customs Tariff No.	85369010000

Counterpart

Compatible products

N-busbar

	Item no.: 210-133 Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm	www.wago.com/210-133
	Item no.: 790-133 Busbar; tin-plated; 30 mm long; Cu 10 mm x 3 mm	www.wago.com/790-133
	Item no.: 790-134 Busbar; tin-plated; 50 mm long; Cu 10 mm x 3 mm	www.wago.com/790-134
	Item no.: 790-190 U-shaped busbar; Cu 10 mm x 3 mm; for 5 I/O; suitable for 750 Series I/O modules	www.wago.com/790-190

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**Item no.: 790-191**

U-shaped busbar; Cu 10 mm x 3 mm; for 8 I/O; suitable for 750 Series I/O modules

www.wago.com/790-191**Item no.: 790-192**

U-shaped busbar; Cu 10 mm x 3 mm; for 5 I/O; suitable for 750 Series I/O modules

www.wago.com/790-192**Item no.: 790-193**

U-shaped busbar; Cu 10 mm x 3 mm; for 8 I/O; suitable for 750 Series I/O modules

www.wago.com/790-193**Carrier rail****Item no.: 790-145**

Carrier rail; with special perforations; 1000 mm long; tin-plated

www.wago.com/790-145**shield connection****Item no.: 790-113**

Carrier with grounding foot; 90° to carrier rail; 45 mm long; Cu 10 mm x 3 mm; suitable for 790 Series shield clamping saddles

www.wago.com/790-113**Item no.: 790-114**

Carrier with grounding foot; parallel to carrier rail; 45 mm long; Cu 10 mm x 3 mm; suitable for 790 Series shield clamping saddles and 791 Series shield clamps

www.wago.com/790-114**Item no.: 790-115**

Carrier with 2 grounding feet; parallel to carrier rail; 125 mm long; Cu 10 mm x 3 mm

www.wago.com/790-115**General accessories****Item no.: 790-100**

Isolated mounting carrier; for busbar with screw M4 x 8 mm; gray

www.wago.com/790-100**Item no.: 790-101**

Isolated mounting carrier; for busbar with sheet metal screw (3.5 x 9) mm; gray

www.wago.com/790-101**Downloads****CAD/CAE-Data****CAD data**

2D/3D Models 790-140

URL

Download

CAE data

WSCAD Universe 790-140

URL

Download

Installation Notes

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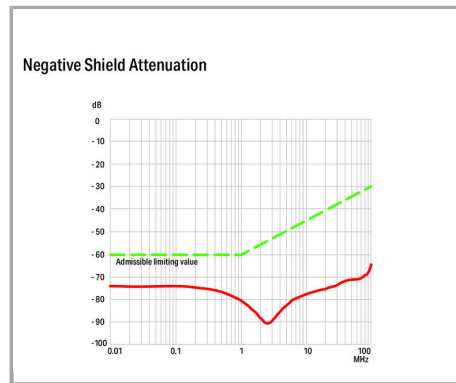
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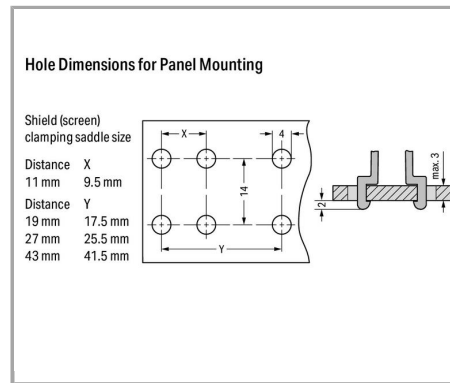
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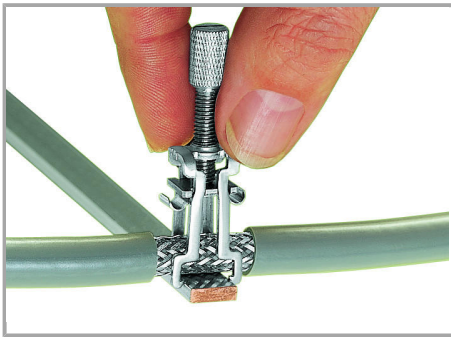
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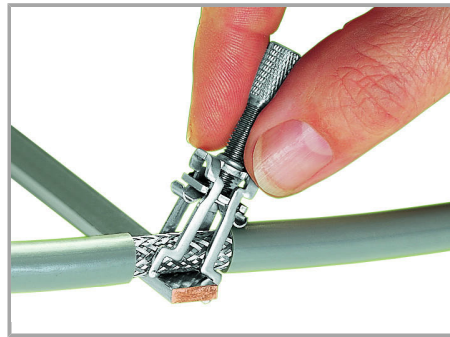
WAGO's shield connection system is highly effective because the clamping unit can be brought very close to the unshielded part of the cable.



Additionally, the spring material is part of the clamping saddle, providing a good electrical connection (the system also acts as a partial strain relief). The spring element integrated in the shield clamping saddle compensates for deformation and settling that results from a connected shield.



Assembly:

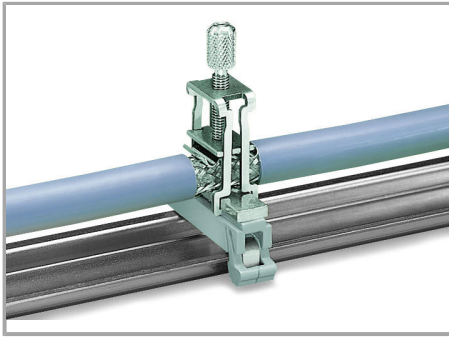


Removal:

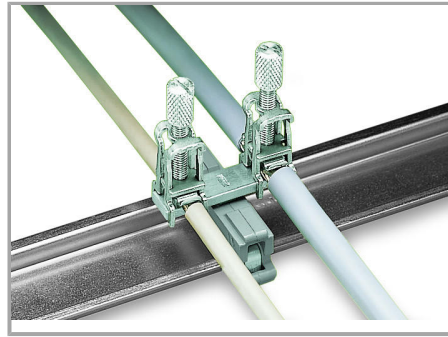
The shield clamping saddle is shipped ready for direct connection to the (10 x 3) mm busbar or to a drilled mounting plate. After connection, tighten the knurled screw to complete the installation. Maximum tightening torque: 0.5 Nm

To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.

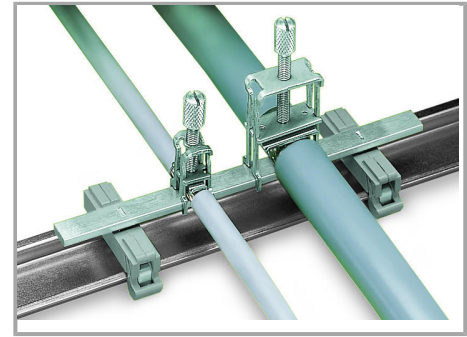
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Carrier with grounding foot* (790-113),
45 mm long, busbar 90° to the rail



Carrier with grounding foot* (790-114),
45 mm long, busbar parallel to the rail

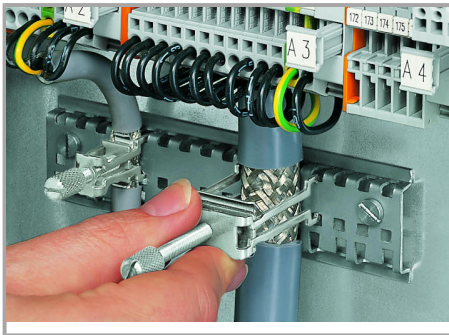


Carrier with grounding foot* (790-115),
125 mm long, busbar parallel to the rail

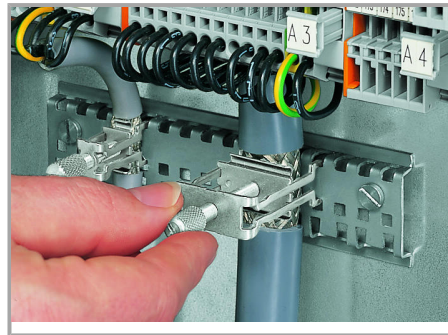
* for all sizes of shield clamping saddles

* for all sizes of shield clamping saddles

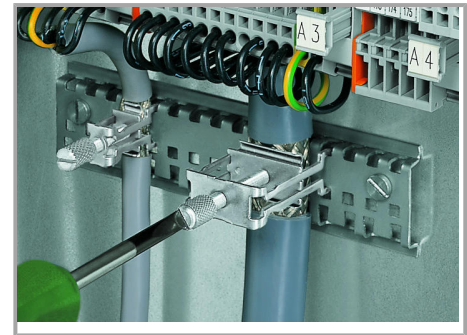
* for all sizes of shield clamping saddles



Fitting an additional clamping saddle.



Tightening/removing a shield clamping
saddle.



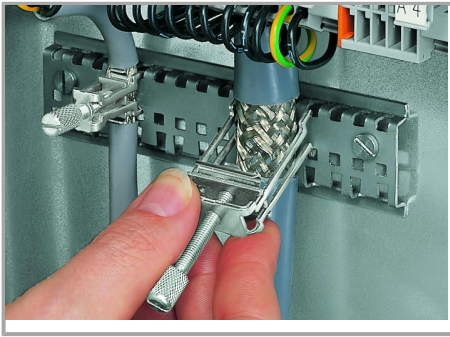
After connection, tighten the knurled screw
to complete the installation.

Recommended tightening torque: 0.5 Nm

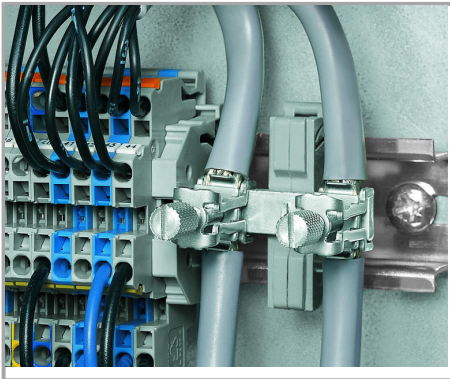
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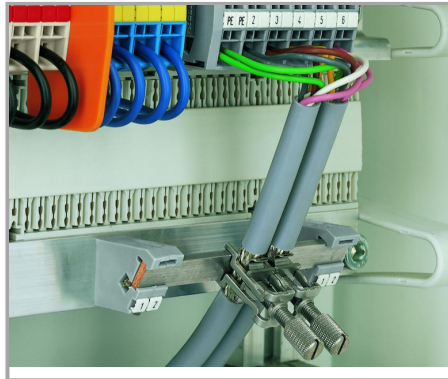
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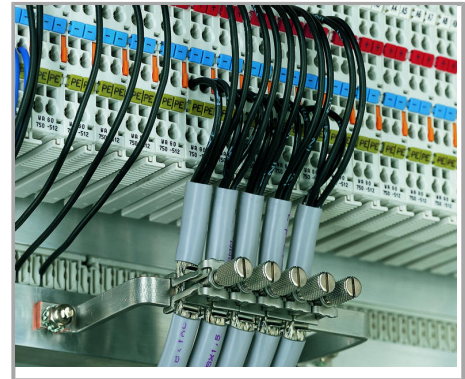
To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.



Carrier with grounding foot – busbar parallel to the rail



Insulated mounting carriers for a common shield reference potential, independent of housing potential

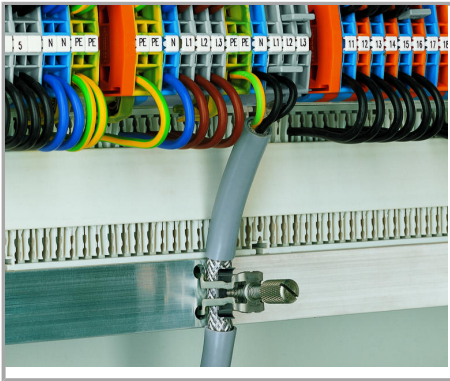


U-shaped (10 x 3) mm copper busbar

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Snap shield clamping saddles into any metal plate (max. thickness: 3 mm).

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