

Data sheet | Item number: 790-116

Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ...
16 mm



www.wago.com/790-116



RoHS 
Compliant

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

Item description

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

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Safety information 1:

Note: Cannot be used for connecting ground conductors!

Data

Technical Data

Main product function	Shield clamping saddle
Safety information 1	Note: Cannot be used for connecting ground conductors!

Geometrical Data

Width	19 mm / 0.748 inch
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Material Data

Weight	16.6 g
Material	Steel V2A

Commercial data

Product Group	2 (Terminal Block Accessories)
Packaging type	BOX
Country of origin	DE
GTIN	4017332611756
Customs tariff number	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

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

	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
	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
shield connection		
	Item no.: 790-112 Carrier with grounding foot; parallel to carrier rail; 25 mm long; Cu 10 mm x 3 mm; suitable for 790-108 and 790-116	www.wago.com/790-112
	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
assembling		
	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
Carrier rail		
	Item no.: 790-145 Carrier rail; with special perforations; 1000 mm long; tin-plated	www.wago.com/790-145

Downloads

Documentation

Bid Text

790-116 GAEB X81 - Datei	Feb 19, 2019	xml 2.8 kB	Download
790-116 doc - Datei	Nov 28, 2018	doc 24.1 kB	Download

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

CAD/CAE-Data

CAD data

2D/3D Models 790-116

[URL](#)

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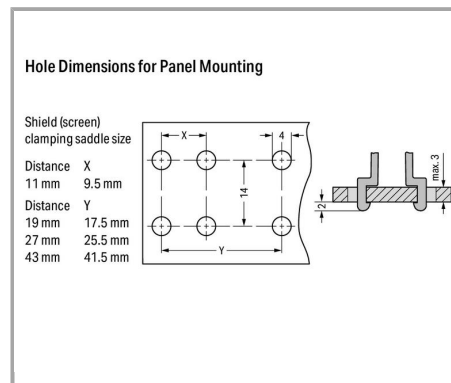
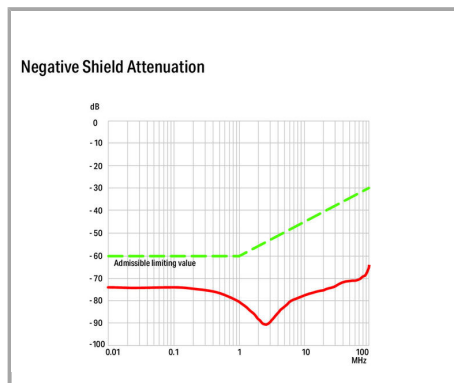
CAE data

WSCAD Universe 790-116

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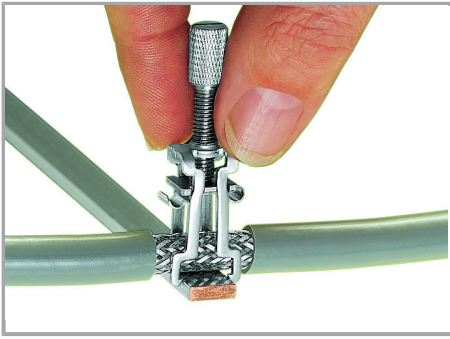
Installation Notes



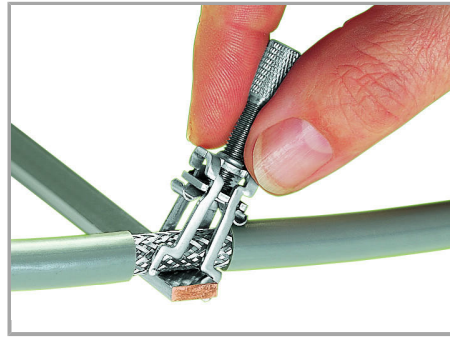
WAGO's shield connection system is highly effective because the clamping unit can be brought very close to the unshielded part of the cable.

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.

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



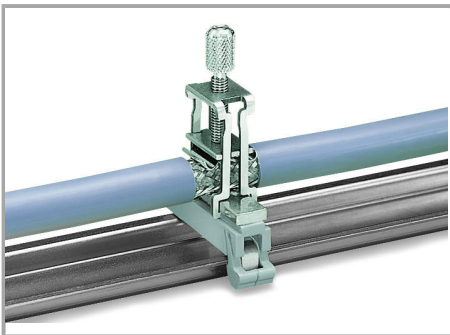
Assembly:



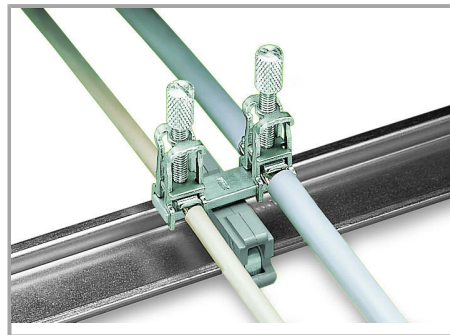
Removal:

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

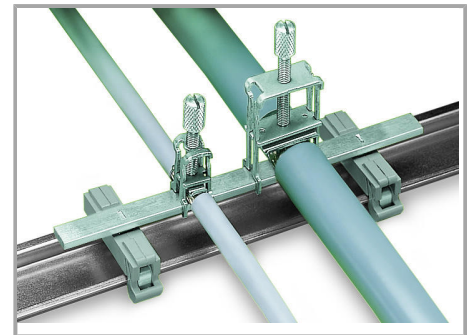
To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.



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



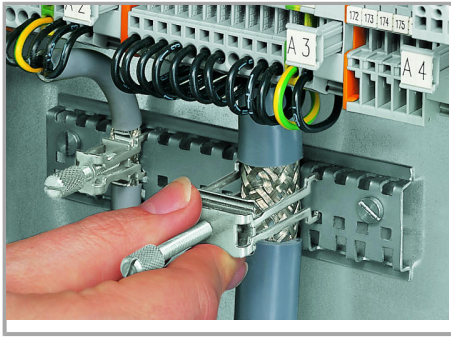
Carrier with grounding foot* (790-115), 125 mm long, busbar parallel to the rail

* for all sizes of shield clamping saddles

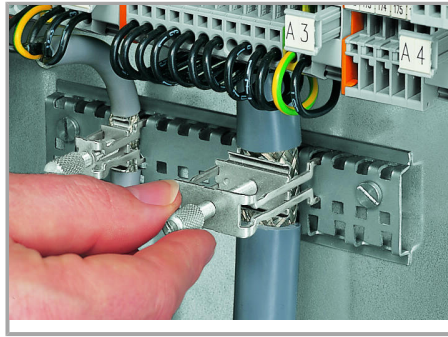
* for all sizes of shield clamping saddles

* for all sizes of shield clamping saddles

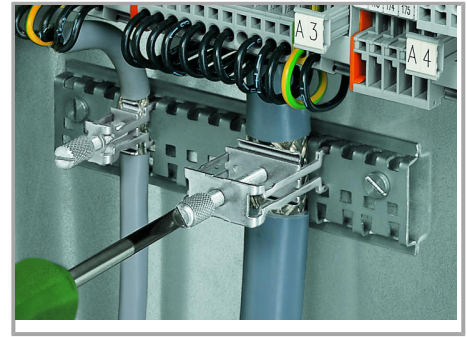
Subject to changes. Please also observe the further product documentation!



Fitting an additional clamping saddle.

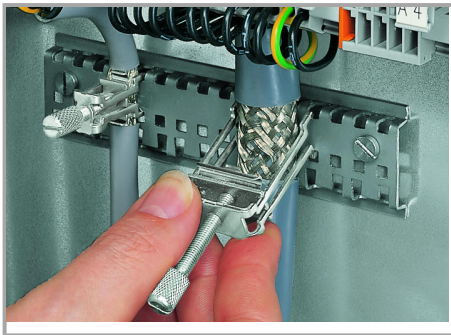


Tightening/removing a shield clamping saddle.



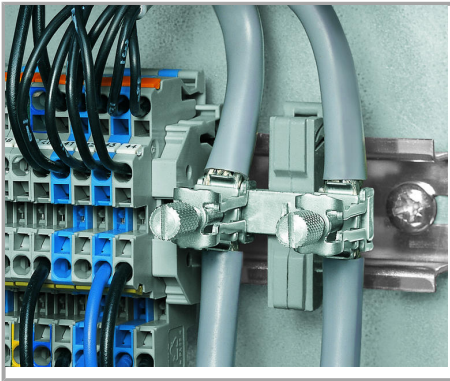
After connection, tighten the knurled screw to complete the installation.

Recommended tightening torque: 0.5 Nm

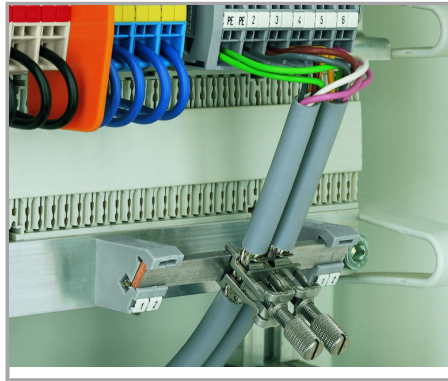


To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.

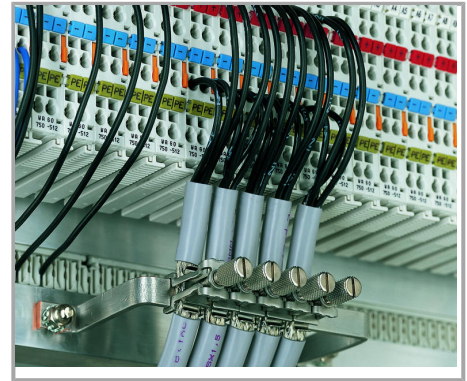
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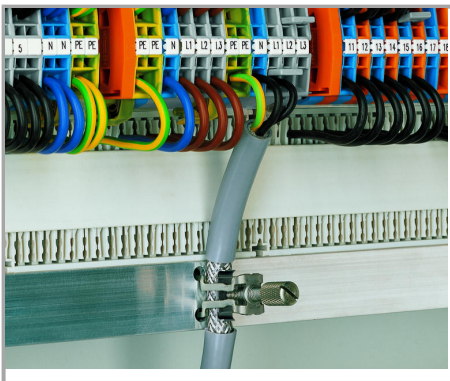
Carrier with grounding foot – busbar parallel to the rail



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



U-shaped (10 x 3) mm copper busbar



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

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