

Data sheet | Item number: 790-116

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



www.wago.com/790-116



Item description

Safety information 1:

Note: Cannot be used for connecting ground conductors!

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

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Data

Technical data

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

Physical 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

Compatible products



N-busbar

	Item no.: 210-133 Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white	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
	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	www.wago.com/790-193





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


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

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; gray	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; gray	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; gray	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; silver-colored	www.wago.com/790-115

Carrier rail

	Item no.: 790-145 Carrier rail; with special perforations; 1000 mm long; tin-plated; silver-colored	www.wago.com/790-145
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Downloads

Documentation

Bid Text

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

CAD/CAE-Data

CAD data

2D/3D Models 790-116	URL	Download
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CAE data

ZUKEN Portal 790-116	URL	Download
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EPLAN Data Portal 790-116

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WSCAD Universe 790-116

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Environmental Product Compliance

Compliance Search

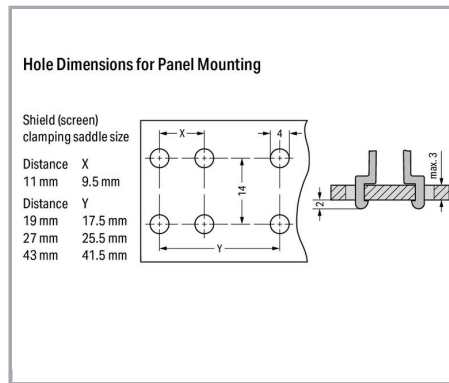
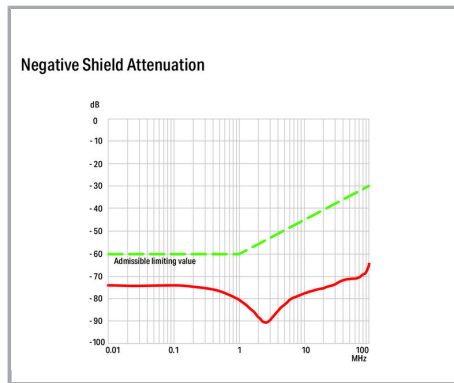
Environmental Product Compliance 790-116

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

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.

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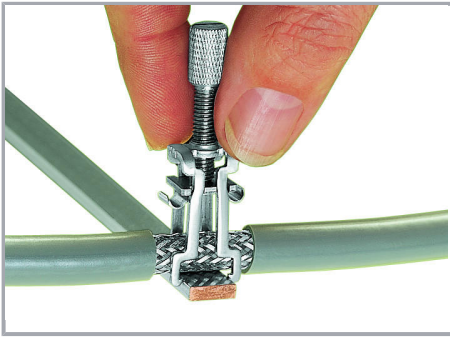
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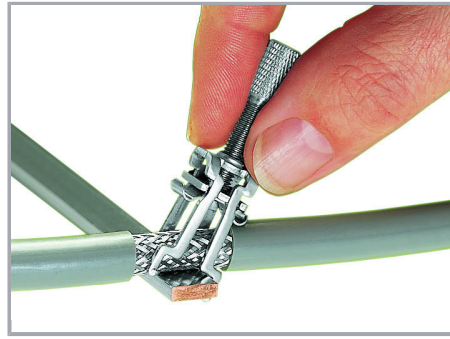
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Installation

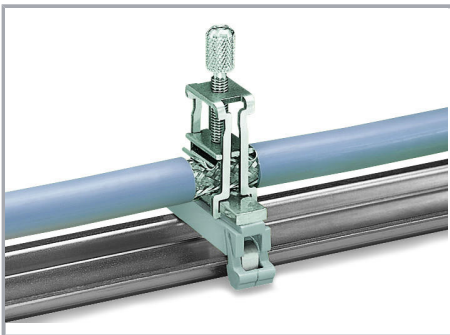
The shield clamping saddle is shipped ready for direct connection to the (10 x 3) mm busbar or to a drilled mounting plate. After connection, tighten the knurled screw to complete the installation.

Maximum tightening torque: 0.5 Nm



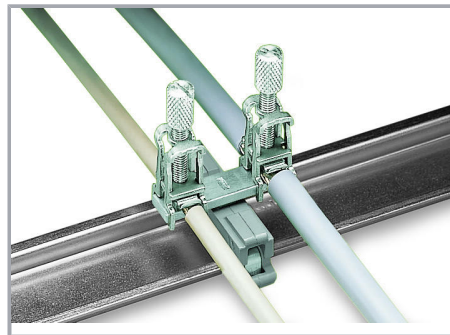
Removal

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



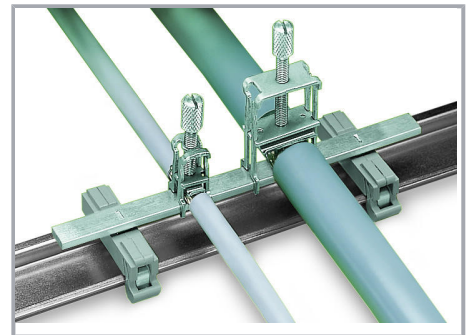
Carrier with grounding foot* (790-113), 45 mm long, busbar 90° to the DIN-rail

*for all shield clamping saddle sizes



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

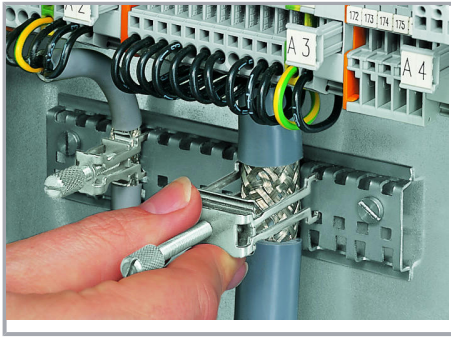
*for all shield clamping saddle sizes



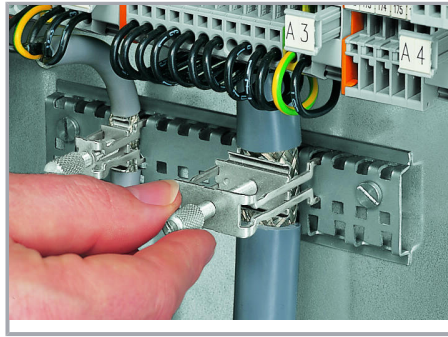
Carrier with grounding foot* (790-1145), 125 mm long, busbar parallel to the rail

*for all shield clamping saddle sizes

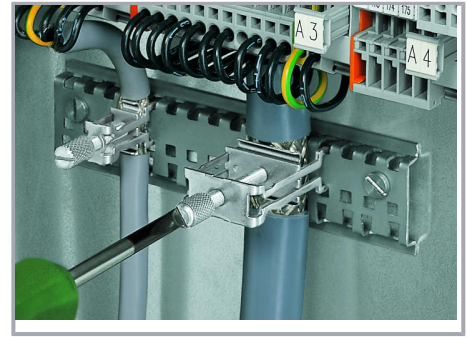
Subject to changes. Please also observe the further product documentation!



Securing an additional shield clamping saddle.

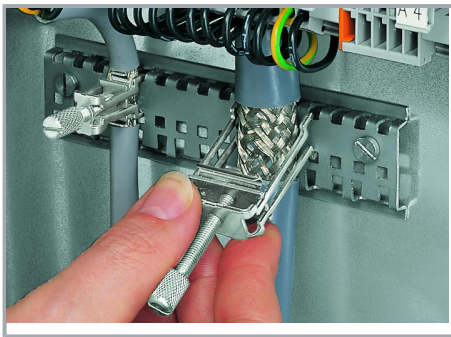


Tightening/removing a shield clamping saddle.



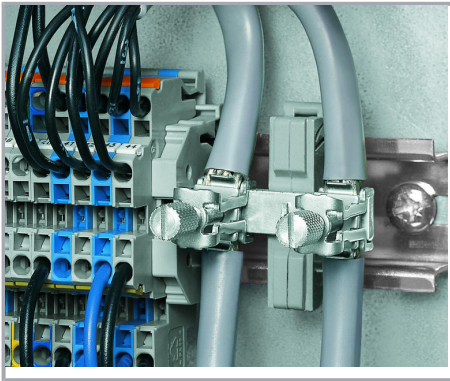
After connection, tighten the knurled screw to complete the installation.

Recommended tightening torque: 0.5 Nm

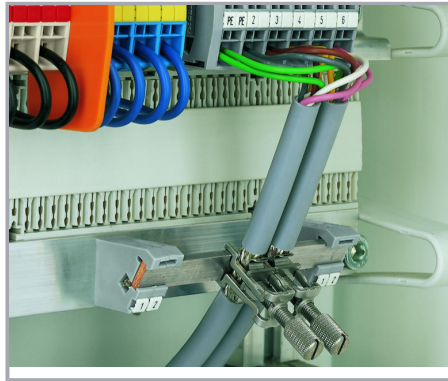


To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.

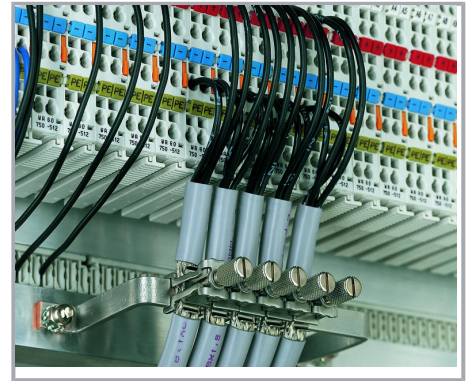
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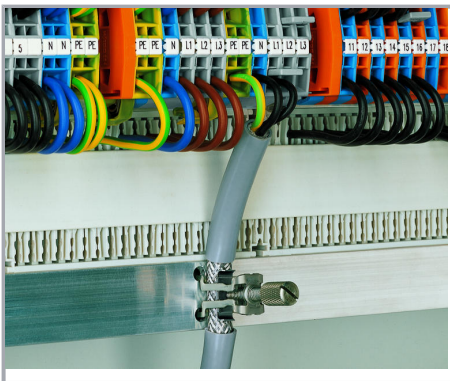
Carrier with grounding foot – busbar parallel to the rail



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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