

Data sheet | Item number: 790-140

Shield clamping saddle; diameter of compatible conductor

www.wago.com/790-140



Data

Notes

Safety information

Cannot be used for connecting ground conductors!

Technical data

Main product function

Safety information

Cannot be used for connecting ground conductors!

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

WAGO GmbH & Co. KG
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We are always happy to take your call at +49 (571) 887-44222.

Physical data

Width	43 mm / 1.693 inches
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Material data

Color	silver-colored
Weight	30.8 g
Material	Steel V2A Stainless steel

Commercial data


Product Group	2 (Terminal Block Accessories)
eCl@ss 10.0	27-14-11-50
eCl@ss 9.0	27-14-11-50
ETIM 8.0	EC002020
ETIM 7.0	EC002020
PU (SPU)	50 (10) pcs
Packaging type	box
Country of origin	DE
GTIN	4017332389662
Customs tariff number	85369010000

Environmental Product Compliance

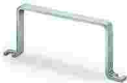

RoHS Compliance Status	Compliant, No Exemption
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Optional accessories

Carrier rail

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

N-busbar

Shield termination	
	Item no.: 790-191 U-shaped busbar; Cu 10 mm x 3 mm; for 8 I/O; suitable for 750 Series I/O modules; silver-colored
	www.wago.com/790-191
	Item no.: 790-190 U-shaped busbar; Cu 10 mm x 3 mm; for 5 I/O; suitable for 750 Series I/O modules; silver-colored
	www.wago.com/790-190

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

**Item no.: 790-192**

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

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; silver-colored

www.wago.com/790-193**Mounting accessories****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; silver-colored

www.wago.com/790-133**Item no.: 790-134**

Busbar; tin-plated; 50 mm long; Cu 10 mm x 3 mm; silver-colored

www.wago.com/790-134**Shield termination****Shield termination****Item no.: 790-115**

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

www.wago.com/790-115**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**Mounting****Shield termination****Item no.: 790-101**

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

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

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

www.wago.com/790-100**Downloads****Documentation****Bid Text**

790-140 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
790-140 doc - Datei	2018 Nov 28	doc 24.1 kB	Download

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CAD/CAE-Data

CAD data

2D/3D Models 790-140	URL	Download
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CAE data

WSCAD Universe 790-140	URL	Download
EPLAN Data Portal 790-140	URL	Download
ZUKEN Portal 790-140	URL	Download

Asset Administration Shell

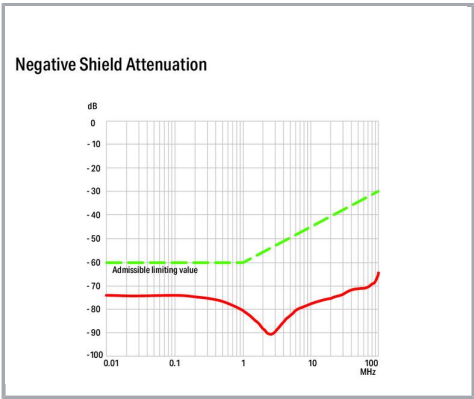
Asset Administration Shell 790-140	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 790-140	URL	Download
Shield clamping saddle; diameter of compatible conductor		

Installation Notes



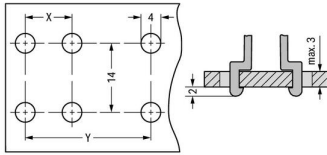
WAGO's shield connection system is highly effective because the clamping unit can be brought very close to the unshielded part of the cable.

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

Hole Dimensions for Panel Mounting

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



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.

**Installation**

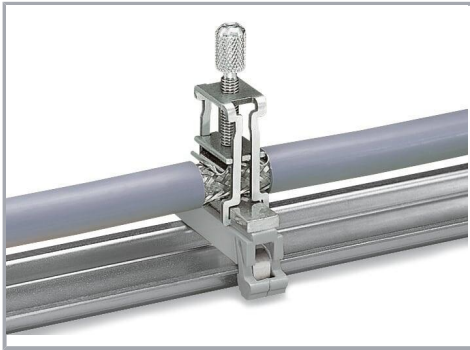
The shield clamping saddle is shipped ready for direct connection to the (10 x 3) mm busbar or to a drilled mounting plate. After connection, tighten the knurled screw to complete the installation.

Maximum tightening torque: 0.5 Nm

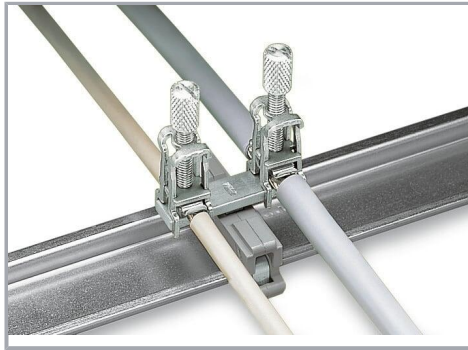
**Removal**

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

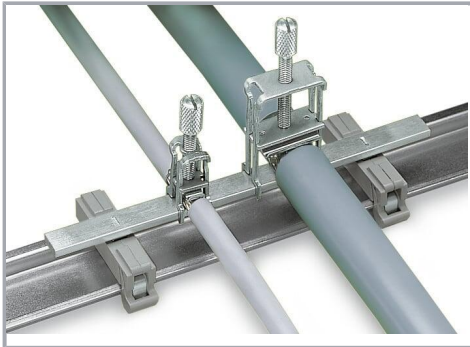
Subject to changes. Please also observe the further product documentation!



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

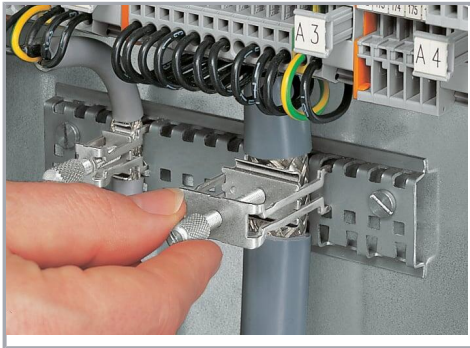


Securing an additional shield clamping saddle.

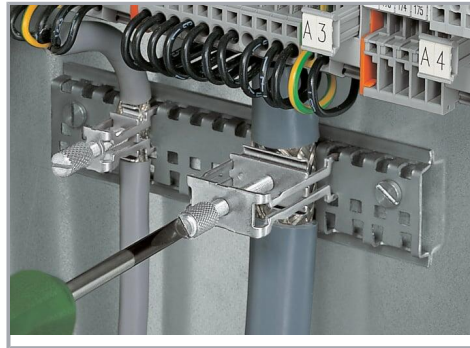
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Tightening/removing a shield clamping saddle.

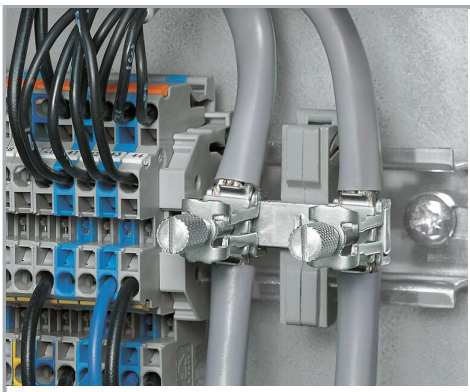


After connection, tighten the knurled screw to complete the installation.

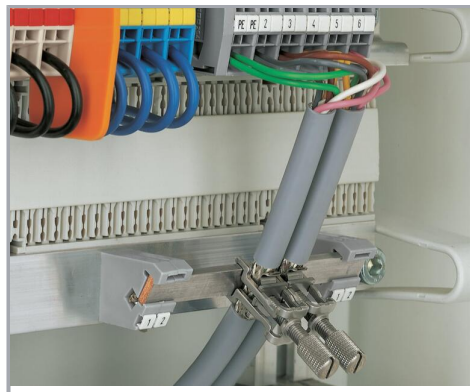
Recommended tightening torque: 0.5 Nm



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

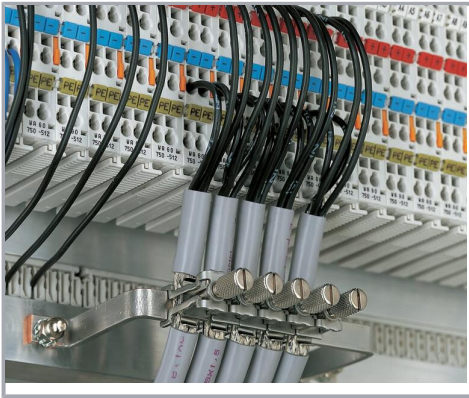


Carrier with grounding foot – busbar parallel to the rail

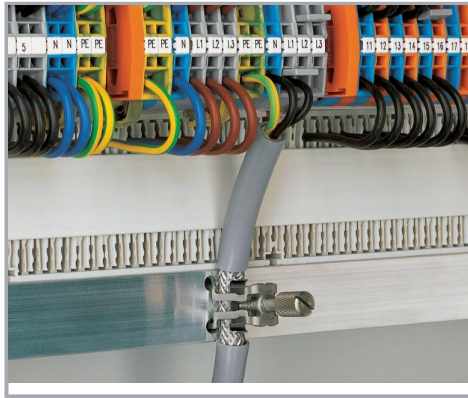


Insulated mounting carriers for a common shield reference potential, independent of housing potential

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



U-shaped (10 x 3) mm copper busbar



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

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