

Data sheet | Item number: 790-108

Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ...  
8 mm



[www.wago.com/790-108](http://www.wago.com/790-108)



## Data Notes

Safety information

Cannot be used for connecting ground conductors!

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

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

## Technical data

Main product function	Shield clamping saddles
Safety information	Cannot be used for connecting ground conductors!

## Physical data

Width	11 mm / 0.433 inches
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## Material Data

Color	silver-colored
Weight	12 g
Material	Steel V2A Stainless steel

## Commercial data

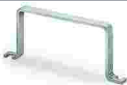

Product Group	2 (Terminal Block Accessories)
eCl@ss 10.0	27-14-11-50
eCl@ss 9.0	27-14-11-50
ETIM 8.0	EC002020
ETIM 7.0	EC002020
PU (SPU)	50 (10) pcs
Packaging type	box
Country of origin	DE
GTIN	4017332356954
Customs tariff number	85369010000

## Environmental Product Compliance














RoHS Compliance Status	Compliant, No Exemption
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## Optional accessories

### N-busbar

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

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

	<b>Item no.: 790-192</b> U-shaped busbar; Cu 10 mm x 3 mm; for 5 I/O; suitable for 750 Series I/O modules; silver-colored	<a href="http://www.wago.com/790-192">www.wago.com/790-192</a>
	<b>Item no.: 790-193</b> U-shaped busbar; Cu 10 mm x 3 mm; for 8 I/O; suitable for 750 Series I/O modules; silver-colored	<a href="http://www.wago.com/790-193">www.wago.com/790-193</a>
<b>Mounting accessories</b>		
	<b>Item no.: 210-133</b> Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white	<a href="http://www.wago.com/210-133">www.wago.com/210-133</a>
	<b>Item no.: 790-133</b> Busbar; tin-plated; 30 mm long; Cu 10 mm x 3 mm; silver-colored	<a href="http://www.wago.com/790-133">www.wago.com/790-133</a>
	<b>Item no.: 790-134</b> Busbar; tin-plated; 50 mm long; Cu 10 mm x 3 mm; silver-colored	<a href="http://www.wago.com/790-134">www.wago.com/790-134</a>
<b>Carrier rail</b>		
<b>Shield termination</b>		
	<b>Item no.: 790-145</b> Carrier rail; with special perforations; 1000 mm long; tin-plated; silver-colored	<a href="http://www.wago.com/790-145">www.wago.com/790-145</a>
<b>Mounting</b>		
<b>Shield termination</b>		
	<b>Item no.: 790-101</b> Isolated mounting carrier; for busbar with sheet metal screw (3.5 x 9) mm; gray	<a href="http://www.wago.com/790-101">www.wago.com/790-101</a>
	<b>Item no.: 790-100</b> Isolated mounting carrier; for busbar with screw M4 x 8 mm; gray	<a href="http://www.wago.com/790-100">www.wago.com/790-100</a>
<b>Shield termination</b>		
<b>Shield termination</b>		
	<b>Item no.: 790-112</b> 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	<a href="http://www.wago.com/790-112">www.wago.com/790-112</a>
	<b>Item no.: 790-110</b> Carrier with grounding foot; parallel to carrier rail; 15 mm long; Cu 10 mm x 3 mm; suitable for 790-108 shield clamping saddles; gray	<a href="http://www.wago.com/790-110">www.wago.com/790-110</a>
	<b>Item no.: 790-115</b> Carrier with 2 grounding feet; parallel to carrier rail; 125 mm long; Cu 10 mm x 3 mm; gray	<a href="http://www.wago.com/790-115">www.wago.com/790-115</a>
	<b>Item no.: 790-113</b> 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	<a href="http://www.wago.com/790-113">www.wago.com/790-113</a>
	<b>Item no.: 790-114</b> 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	<a href="http://www.wago.com/790-114">www.wago.com/790-114</a>

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



## Downloads Documentation

### Bid Text

790-108 X81 - Datei	19 Feb 2019	xml 2.7 kB	Download
790-108 doc - Datei	28 Nov 2018	doc 24.1 kB	Download

## CAD/CAE-Data

### CAD data

2D/3D Models 790-108	URL	Download
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### CAE data

WSCAD Universe 790-108	URL	Download
EPLAN Data Portal 790-108	URL	Download
ZUKEN Portal 790-108	URL	Download

## Environmental Product Compliance

### Compliance Search

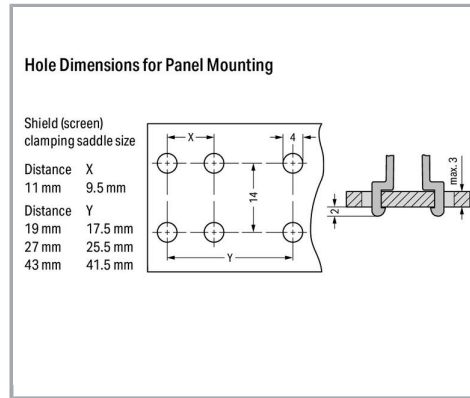
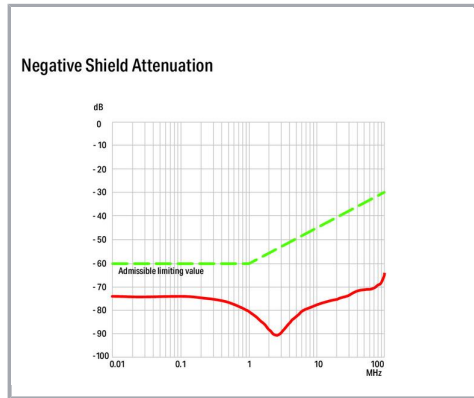
Environmental Product Compliance 790-108 Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm	URL	Download
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## Installation Notes

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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.

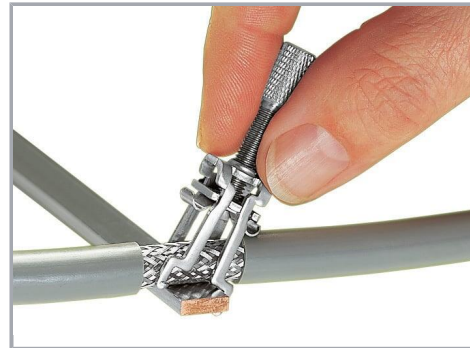
Additionally, the spring material is part of the clamping saddle, providing a good electrical connection (the system also acts as a partial strain relief). The spring element integrated in the shield clamping saddle compensates for deformation and settling that results from a connected shield.



**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.

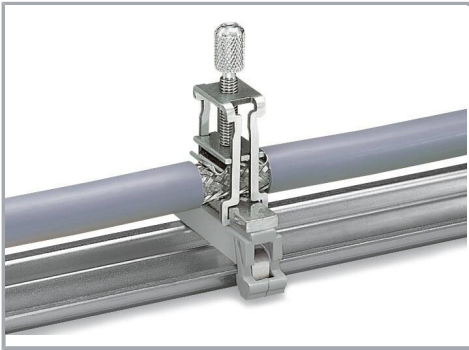
Maximum tightening torque: 0.5 Nm



**Removal**

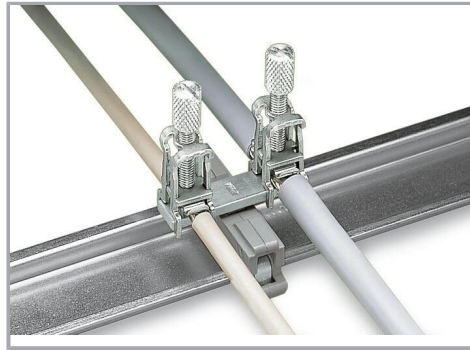
To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.

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



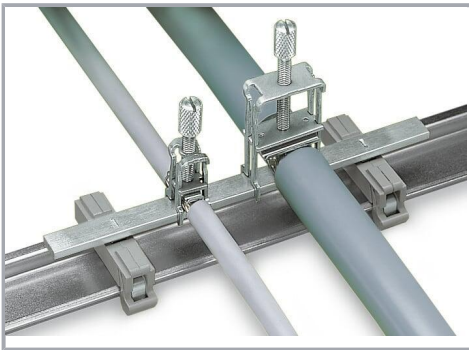
Carrier with grounding foot\* (790-113), 45 mm long, busbar 90° to the DIN-rail

\*for all shield clamping saddle sizes



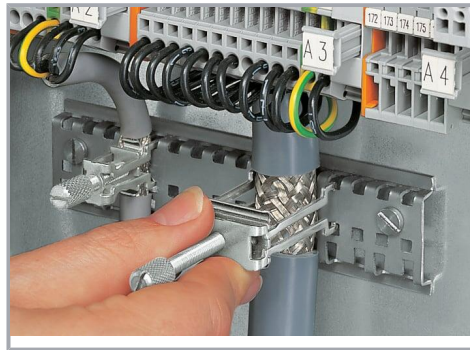
Carrier with grounding foot\* (790-114), 45 mm long, busbar parallel to the DIN-rail

\*for all shield clamping saddle sizes



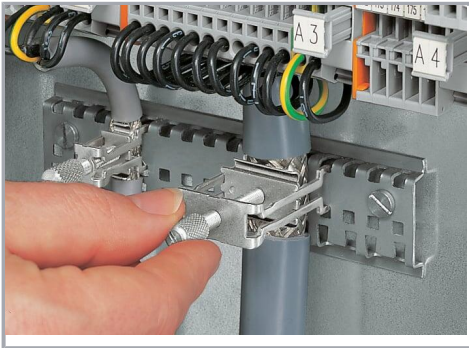
Carrier with grounding foot\* (790-1145), 125 mm long, busbar parallel to the rail

\*for all shield clamping saddle sizes

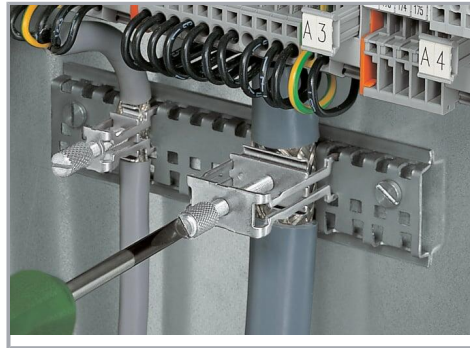


Securing an additional shield clamping saddle.

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



Tightening/removing a shield clamping saddle.



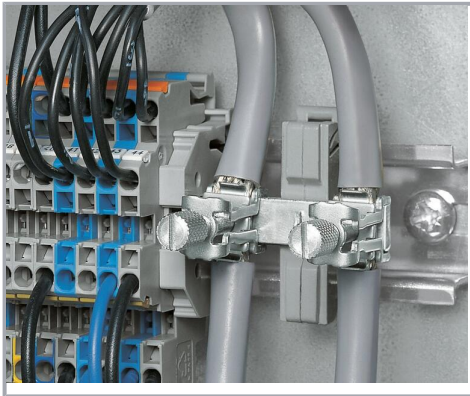
After connection, tighten the knurled screw to complete the installation.

Recommended tightening torque: 0.5 Nm

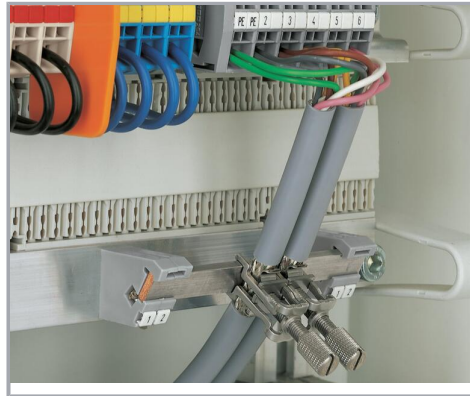


To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.

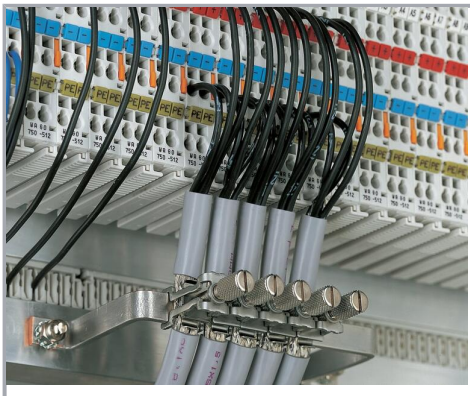
Subject to changes. Please also observe the further product documentation!



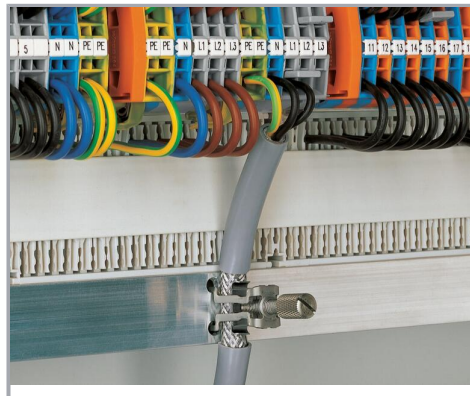
Carrier with grounding foot – busbar parallel to the rail



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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