Data Sheet | Item Number: 790-108

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

https://www.wago.com/790-108

Color: silver-colored

Notes

Safety Information	Cannot be used for connecting ground conductors!

Physical data

Width	11 mm / 0.433 inches

Material data

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

Commercial data

Product Group	2 (Terminal Block Accessories)
PU (SPU)	50 (10) pcs
Packaging type	Box
Country of origin	DE
GTIN	4017332356954
Customs tariff number	85369010000

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Product Classification

UNSPSC	39121722
eCl@ss 10.0	27-14-11-50
eCl@ss 9.0	27-14-11-50
ETIM 9.0	EC002020
ETIM 10.0	EC002020
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Environmental requirements

Processing temperature (min.)	-35 °C
Processing temperature (max.)	85 °C
Processing temperature	-35 ... +85 °C
Continuous operating temperature from	-60 °C
Continuous operating temperature up to	105 °C
Continuous operating temperature	-60 ... +105 °C

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 790-108

Documentation

Bid Text

790-108	19.02.2019	xml 2.68 KB	
790-108	28.11.2018	doc 23.50 KB	

CAD/CAE-Data

CAD data

2D/3D Models 790-108

CAE data

EPLAN Data Portal 790-108

WSCAD Universe 790-108

ZUKEN Portal 790-108

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1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 Shield termination

Item No.: 790-145
Carrier rail; with special perforations; 1000 mm long; tin-plated; silver-colored

1.1.2 Installation

1.1.2.1 Shield termination

Item No.: 790-100
Isolated mounting carrier; for busbar with screw M4 x 8 mm; gray

Item No.: 790-101
Isolated mounting carrier; for busbar with sheet metal screw (3.5 x 9) mm; gray

1.1.3 N-busbar

1.1.3.1 Busbar

Item No.: 210-133
Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white

1.1.3.2 Mounting accessories

Item No.: 790-133
Busbar; tin-plated; 30 mm long; Cu 10 mm x 3 mm; silver-colored

Item No.: 790-134
Busbar; tin-plated; 50 mm long; Cu 10 mm x 3 mm; silver-colored

1.1.3.3 Shield termination

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

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

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

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

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1.1.4 Shield termination

1.1.4.1 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

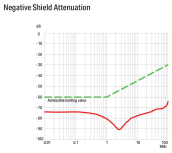
Item No.: 790-113
Carrier with grounding foot; 90° to carrier rail; 45 mm long; Cu 10 mm x 3 mm; suitable for 790 Series shield clamping saddles; gray

Item No.: 790-110
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

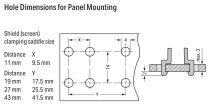
Item No.: 790-112
Carrier with grounding foot; parallel to carrier rail; 25 mm long; Cu 10 mm x 3 mm; suitable for 790-108 and 790-116; gray

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

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.

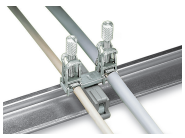
Installation

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

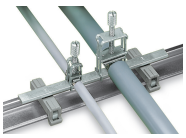
Removal

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

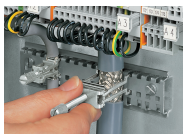
Carrier with grounding foot* (790-113), 45 mm long, busbar 90° to the DIN-rail
*for all shield clamping saddle sizes



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



Securing an additional shield clamping saddle.

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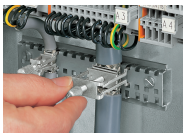
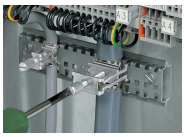
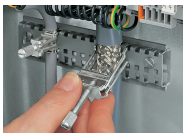


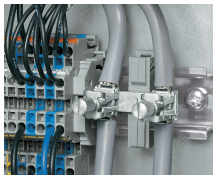
Tightening/removing a shield clamping saddle.



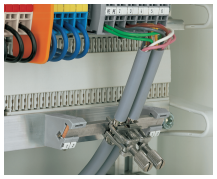
After connection, tighten the knurled screw to complete the installation.
Recommended tightening torque: 0.5 Nm



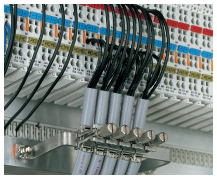
To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.



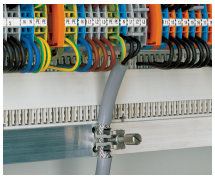
Carrier with grounding foot – busbar parallel to the rail



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



U-shaped (10 x 3) mm copper busbar



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