Data Sheet | Item Number: 790-116

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

https://www.wago.com/790-116



Color: silver-colored

Notes

Safety information	Cannot be used for connecting ground conductors!

Technical data

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

Physical data

Width	19 mm / 0.748 inches

Material data

Color	silver-colored
Fire load	0 MJ
Weight	16.2 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	4017332611756
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 790-116

Documentation

Bid Text

790-116	19.02.2019	xml 2.69 KB
790-116	28.11.2018	doc 23.50 KB

CAD/CAE-Data

CAD data

2D/3D Models 790-116

CAE data

EPLAN Data Portal 790-116

WSCAD Universe 790-116

ZUKEN Portal 790-116

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 Mounting accessories



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



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

1.1.3.2 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

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

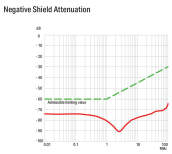


Item No.: 790-112
Carrier with grounding foot; parallel to carrier rail; 25 mm long; Cu 10 mm x 3 mm; suitable for 790-108 and 790-116; gray

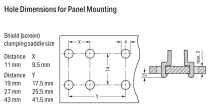


Item No.: 790-114
Carrier with grounding foot; parallel to carrier rail; 45 mm long; Cu 10 mm x 3 mm; suitable for 790 Series shield clamping saddles and 791 Series shield clamps; gray

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.

 Continued on next page



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

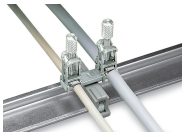


Removal

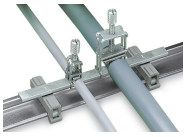
To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.



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



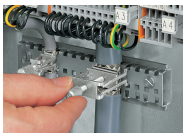
Carrier with grounding foot* (790-114), 45 mm long, busbar parallel to the DIN-rail
*for all shield clamping saddle sizes



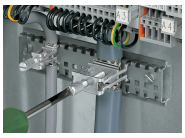
Carrier with grounding foot* (790-1145), 125 mm long, busbar parallel to the rail
*for all shield clamping saddle sizes



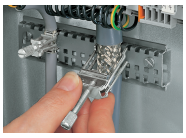
Securing an additional shield clamping saddle.



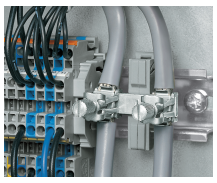
Tightening/removing a shield clamping saddle.



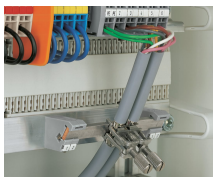
After connection, tighten the knurled screw to complete the installation. Recommended tightening torque: 0.5 Nm



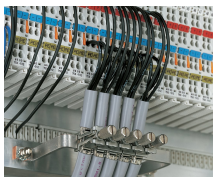
To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.



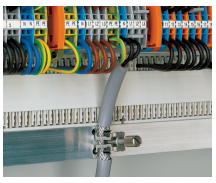
Carrier with grounding foot – busbar parallel to the rail



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).