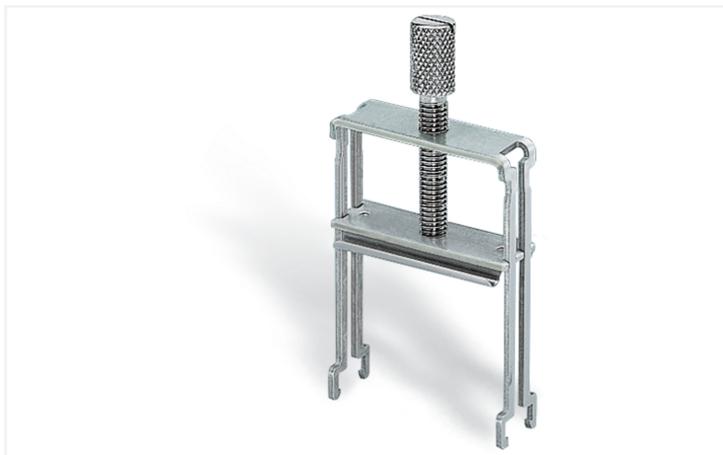


## Data Sheet | Item Number: 790-140

Shield clamping saddle; diameter of compatible conductor

<https://www.wago.com/790-140>



Color: ■ silver-colored

### Notes

Safety Information

Cannot be used for connecting ground conductors!

### Physical data

Width 43 mm / 1.693 inches

### Material data

Color	silver-colored
Fire load	0 MJ
Weight	30.8 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	4017332389662
Customs tariff number	85369010000

### Product Classification

UNSPSC	39121613
eCl@ss 10.0	27-14-11-50
eCl@ss 9.0	27-14-11-50
ETIM 9.0	EC002020
ETIM 8.0	EC002020
ECCN	NO US CLASSIFICATION

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Temperature Specifications**

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 790-140	<a href="#">↓</a>
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**Documentation**

**Bid Text**

790-140	19.02.2019	xml 2.69 KB	<a href="#">↓</a>
790-140	28.11.2018	doc 23.50 KB	<a href="#">↓</a>

**CAD/CAE-Data**

**CAD data**

2D/3D Models 790-140	<a href="#">↓</a>
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**CAE data**

EPLAN Data Portal 790-140	<a href="#">↓</a>
WSCAD Universe 790-140	<a href="#">↓</a>
ZUKEN Portal 790-140	<a href="#">↓</a>

**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

### 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

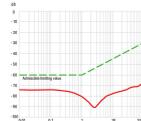


**Item No.: 790-114**

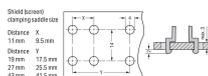
Carrier with grounding foot; parallel to carrier rail; 45 mm long; Cu 10 mm x 3 mm; suitable for 790 Series shield clamping saddles and 791 Series shield clamps; gray

### Installation Notes

Negative Shield Attenuation



Hole Dimensions for Panel Mounting



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.



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).