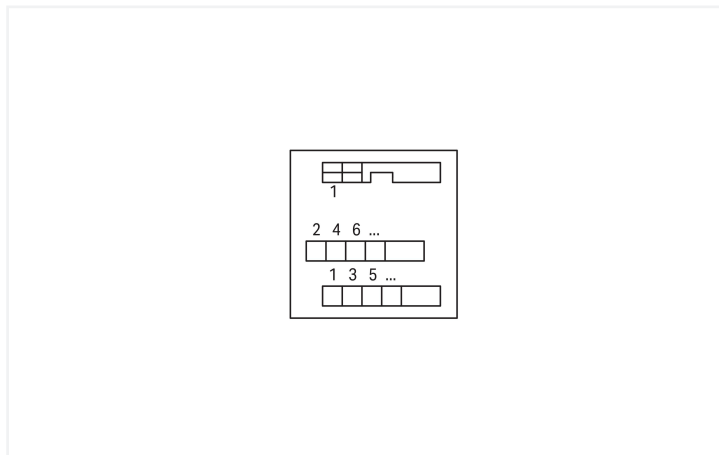


## Data Sheet | Item Number: 289-509

Interface module; Pluggable connector per DIN 41651; 64-pole; PCB terminal blocks, double-row; in mounting carrier; 2,50 mm<sup>2</sup>

<https://www.wago.com/289-509>



Similar to illustration

### Notes

Safety Information

**Notice!** Accessible live parts! Protection against accidental contact must be provided by the system installer, e.g., using a WAGO 709 Series Cover (see "Accessories") or a similar cover. The installation guidelines must be followed for each specific application.

### Electrical data

Operating voltage	≤ 125 VAC/VDC
Nominal current	1 A

### Safety and protection

Rated Voltage	125 V
Pollution degree	2
Protection type	IP00
Dielectric strength (channel/channel) (AC, 1 min.)	0.75 kVrms (500 V <sub>eff</sub> acc. to component specification)
Insulation type	Functional insulation

### Connection Data

Performance level 3 / 50 mating cycles

#### Connection 1

Pluggable connector	Pluggable connector per DIN 41651; male connector
Pole number 1	64
Connection type	System
Note (conductor cross-section)	12 AWG: THHN, THWN
Mating direction	vertical

## Connection 2

Design	PCB terminal blocks (double-row)
Pole number	64
Connection type	Field
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 236 Series
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

## Physical data

Width	170 mm / 6.693 inches
Height	85 mm / 3.346 inches
Depth from upper-edge of DIN-rail	36 mm / 1.417 inches

## Mechanical data

Mounting type	DIN-35 rail
Housing design	Mounting carrier

## Material data

Contact material (connector)	Au over Ni
Fire load	1.583 MJ
Weight	167 g

## Environmental requirements

Ambient temperature (operation)	-20 ... +55 °C
Ambient temperature (storage)	-40 ... +70 °C
Relative humidity	≤ 85 % (non-condensing)

## Standards and Specifications

Standards/specifications	EN 61010-2-201
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## Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	3 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454343255
Customs tariff number	85366990990

**Product Classification**

UNSPSC	39121409
eCl@ss 10.0	27-14-11-52
eCl@ss 9.0	27-14-11-52
ETIM 9.0	EC002780
ETIM 10.0	EC002780
ECCN	NO US CLASSIFICATION

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

**General approvals** **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

**Downloads**

**Environmental Product Compliance**

Compliance Search
Environmental Product Compliance 289-509 <a href="#">↓</a>

**Documentation**

Bid Text			
289-509	09.02.2015	doc 25.00 KB	<a href="#">↓</a>
289-509	19.02.2019	xml 3.26 KB	<a href="#">↓</a>

Instruction Leaflet			
Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf 1246.19 KB	<a href="#">↓</a>

**CAD/CAE-Data**

CAD data
2D/3D Models 289-509 <a href="#">↓</a>

CAE data
EPLAN Data Portal 289-509 <a href="#">↓</a>
WSCAD Universe 289-509 <a href="#">↓</a>
ZUKEN Portal 289-509 <a href="#">↓</a>

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Marking

##### 1.1.1.1 Marking strip



**Item No.: 709-196**

Marking strips; for laser printer; translucent



**Item No.: 709-177**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent



**Item No.: 709-178**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

#### 1.1.2 Tool

##### 1.1.2.1 Operating tool

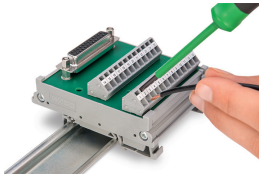


**Item No.: 210-720**

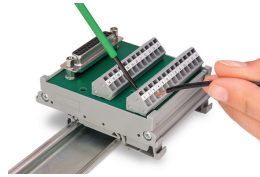
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination

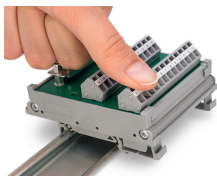


Conductor termination – screwdriver actuation parallel to conductor entry

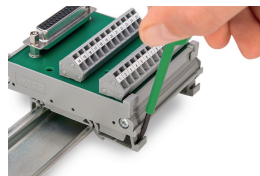


Conductor termination – screwdriver actuation perpendicular to conductor entry

## Installation



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.