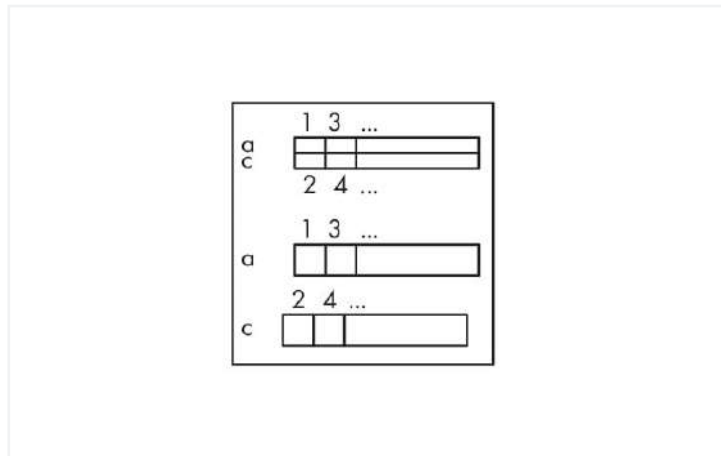
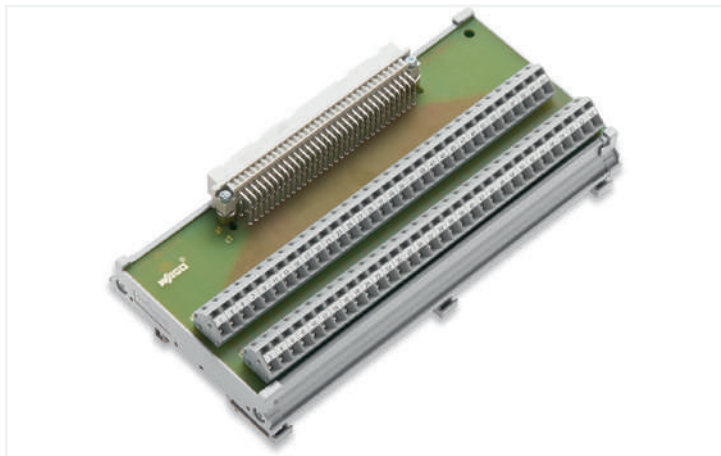


Data Sheet | Item Number: 289-523

Interface module; Pluggable connector per DIN 41612; 64-pole; Mating connector for IDC; Horizontal mounting; PCB terminal blocks, double-row; in mounting carrier; Type C; 2,50 mm²



<https://www.wago.com/289-523>



Electrical data

| | |
|---------------------------|------------------|
| Operating voltage | ≤30 VAC; ≤50 VDC |
| Nominal current | 1 A |
| Contact resistance (max.) | 20 mΩ |

Safety and protection

| | |
|---------------------|--|
| Rated voltage | 50 V |
| Rated surge voltage | 0.8 kV |
| Pollution degree | 2 |
| Protection type | IP00; Notice! Live parts can be easily touched! Protection against direct contact must be provided by the equipment manufacturer, e.g., using a WAGO 709 Series Cover (see "Accessories") or a similar cover. The installation guidelines must be observed for each individual application. |

Connection data

| | |
|-------------------|-----------------------|
| Performance level | 2 / 400 mating cycles |
|-------------------|-----------------------|

Connection 1

| | |
|--------------------------------|---|
| Connector | Pluggable connector per DIN 41612; Type C; Male connector |
| Pole number 1 | 64 |
| Connection type 1 | System |
| Note (conductor cross-section) | 12 AWG: THHN, THWN |
| Mating direction | horizontal |

Connection 2

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

Physical data

| | |
|-----------------------------------|-----------------------|
| Width | 171 mm / 6.732 inches |
| Height | 85 mm / 3.346 inches |
| Depth from upper-edge of DIN-rail | 34 mm / 1.339 inches |

Mechanical data

| | |
|----------------|------------------|
| Mounting type | DIN-35 rail |
| Housing design | Mounting carrier |

Material data

| | |
|------------------------------|---------------------------|
| Contact material (connector) | Copper alloy; gold plated |
| Fire load | 2.08 MJ |
| Weight | 159.3 g |

Environmental requirements

| | |
|---------------------------------|------------------------|
| Ambient temperature (operation) | -20 ... +50 °C |
| Ambient temperature (storage) | -40 ... +70 °C |
| Relative humidity | ≤ 85% (non-condensing) |

Commercial data

| | |
|-----------------------|--------------------------|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0 | 27-14-11-52 |
| eCl@ss 9.0 | 27-14-11-52 |
| ETIM 8.0 | EC002780 |
| ETIM 7.0 | EC002780 |
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454594183 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 289-523



Documentation

| Bid Text | | | |
|----------|------------|-----------------|-------------------|
| 289-523 | 19.02.2019 | xml 3.49 KB | ↓ |
| 289-523 | 09.02.2015 | doc 26.50 KB | ↓ |

| Instruction Leaflet | |
|---------------------|-------------------|
| pdf 1246.19 KB | ↓ |

CAD/CAE-Data

| CAE data | |
|------------------------------|-------------------|
| EPLAN Data Portal 289-523 | ↓ |
| WSCAD Universe 289-523 | ↓ |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Installation

1.1.1.1 Cover



Item No.: 709-153

Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

1.1.1.2 Cover carrier



Item No.: 709-167

Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.1.2 Marking

1.1.2.1 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

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-720

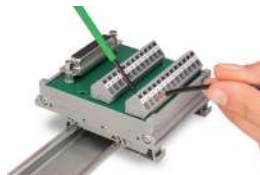
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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.