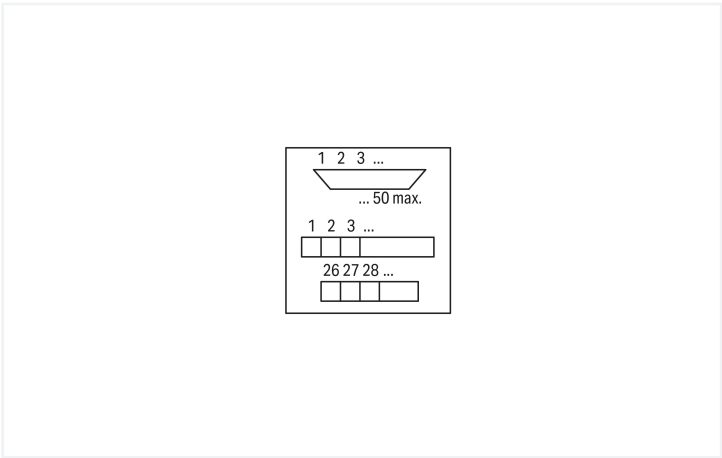


Data Sheet | Item Number: 289-545

Interface module; with solder pin; Male connector; 9-pole; Mating connector with solder connection; Vertical mounting; PCB terminal blocks, double-row; in mounting carrier; 2,50 mm²



<https://www.wago.com/289-545>



Similar to illustration

| Electrical data           |               |
|---------------------------|---------------|
| Operating voltage         | ≤ 125 VAC/VDC |
| Nominal current           | 2 A           |
| Contact resistance (max.) | 30 mΩ         |

| Safety and protection           |                  |
|---------------------------------|------------------|
| Rated Voltage                   | 125 V            |
| Rated impulse withstand voltage | 0.8 kV           |
| Pollution degree                | 2                |
| Protection type                 | IP20             |
| Insulation type                 | Basic insulation |

| Connection Data                |                               |
|--------------------------------|-------------------------------|
| Performance level              | 2 / 200 mating cycles         |
| Strain relief                  | UNC 4-40 stud bolt            |
| Connection 1                   |                               |
| Pluggable connector            | D-subminiature male connector |
| Pole number 1                  | 9                             |
| Connection type                | System                        |
| Note (conductor cross-section) | 12 AWG: THHN, THWN            |
| Mating direction               | vertical                      |

| Connection 2          |                                  |
|-----------------------|----------------------------------|
| Design                | PCB terminal blocks (double-row) |
| Pole number           | 9                                |
| Connection type       | Field                            |
| Connection technology | CAGE CLAMP®                      |
| WAGO connector        | WAGO 236 Series                  |
| Solid conductor       | 0.08 ... 2.5 mm² / 28 ... 12 AWG |

| Connection 2            |                                  |
|-------------------------|----------------------------------|
| Fine-stranded conductor | 0.08 ... 2.5 mm² / 28 ... 12 AWG |
| Strip length            | 5 ... 6 mm / 0.2 ... 0.24 inches |



| Physical data                     |  |                      |
|-----------------------------------|--|----------------------|
| Width                             |  | 38 mm / 1.496 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) |  | Au over Ni |
| Fire load                    |  | 0.61 MJ    |
| Weight                       |  | 46.9 g     |

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

| Standards and Specifications |  |                       |
|------------------------------|--|-----------------------|
| Standards/specifications     |  | EN 61010-2-201<br>DNV |

| Commercial data       |  |                          |
|-----------------------|--|--------------------------|
| Product Group         |  | 6 (INTERFACE ELECTRONIC) |
| PU (SPU)              |  | 8 (1) pcs                |
| Packaging type        |  | Box                      |
| Country of origin     |  | DE                       |
| GTIN                  |  | 4045454413804            |
| Customs tariff number |  | 85366990990              |

| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121421             |
| 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 |



Approvals / Certificates

General approvals



| Approval                                   | Standard       | Certificate Name    |
|--------------------------------------------|----------------|---------------------|
| cURus<br>Underwriters Laboratories<br>Inc. | UL 508         | E175199 Vol.2 Sec.1 |
| EAC<br>GZO Almaty Standart                 | TP TC 004/2011 | EAC CoC 03084       |

Declarations of conformity and manufacturer's declarations

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

Approvals for marine applications



| Approval                | Standard             | Certificate Name |
|-------------------------|----------------------|------------------|
| DNV<br>DNV Germany GmbH | DNV-CG-0339,Aug.2021 | TAA00001D1       |

Downloads

Environmental Product Compliance

| Compliance Search                           |
|---------------------------------------------|
| Environmental Product<br>Compliance 289-545 |



Documentation

| Bid Text        |
|-----------------|
| 289-545         |
| 06.02.2015      |
| doc<br>26.00 KB |



| Instruction Leaflet                                |
|----------------------------------------------------|
| Operation and Assemb-<br>ly Instructions Interface |
| V 1.0.0<br>02.04.2025                              |
| pdf<br>1246.19 KB                                  |



CAD/CAE-Data

| CAD data             |
|----------------------|
| 2D/3D Models 289-545 |



| CAE data                     |
|------------------------------|
| EPLAN Data Portal<br>289-545 |
| WSCAD Universe<br>289-545    |
| ZUKEN Portal 289-545         |



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



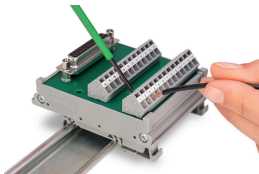
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination

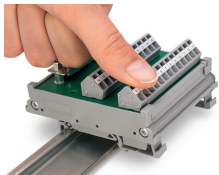


Conductor termination – screwdriver actuation parallel to conductor entry

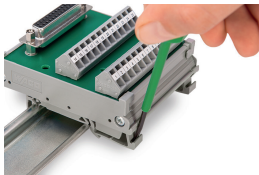


Conductor termination – screwdriver actuation perpendicular to conductor entry

Installation



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.