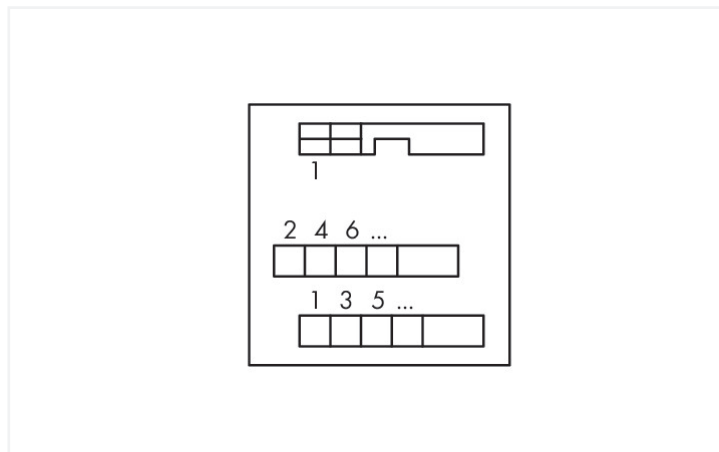
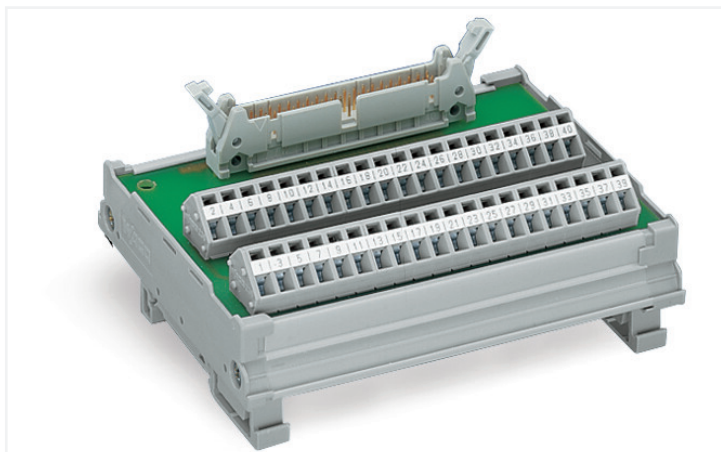


## Data Sheet | Item Number: 289-507

Interface module; Pluggable connector per DIN 41651; 40-pole; PCB terminal blocks, double-row; in mounting carrier; 2,50 mm<sup>2</sup>

<https://www.wago.com/289-507>



### Electrical data

|                   |               |
|-------------------|---------------|
| Operating voltage | ≤ AC/DC 125 V |
| Nominal current   | 1 A           |

### Safety and protection

|  |   |
|--|---|
| Rated voltage                                      | 125 V   |
| Pollution degree                                   | 2   |
| Protection type                                    | IP00;<br><b>Notice!</b> 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. |
| Dielectric strength (channel/channel) (AC, 1 min.) | 0.75 kVrms  |
| Insulation type                                    | Functional insulation   |

### Connection data

|                   |                      |
|-------------------|----------------------|
| Performance level | 3 / 50 mating cycles |
|-------------------|----------------------|

#### Connection 1

|                                |                                     |
|--------------------------------|-------------------------------------|
| Connector                      | DIN 41651 connector; male connector |
| Pole number 1                  | 40                                  |
| Connection type 1              | System                              |
| Note (conductor cross-section) | 12 AWG: THHN, THWN                  |
| Mating direction               | vertical                            |

#### Connection 2

|                           |  |
|---------------------------|--|
| Design 2                  | PCB terminal blocks (double-row)             |
| Pole number 2             | 40   |
| Connection type 2         | Field  |
| Connection technology 2   | CAGE CLAMP®                                  |
| WAGO connector 2          | WAGO 236 Series                              |
| Solid conductor 2         | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor 2 | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length 2            | 5 ... 6 mm / 0.2 ... 0.24 inches             |

### Physical data

|                                   |                       |
|-----------------------------------|-----------------------|
| Width                             | 114 mm / 4.488 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                    | 1.506 MJ   |
| Weight                       | 92.1 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 |
|--------------------------|----------------|

### 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)              | 5 (1) pcs                |
| Packaging type        | Box                      |
| Country of origin     | DE                       |
| GTIN                  | 4045454353520            |
| Customs tariff number | 85366990990              |

### Environmental Product Compliance

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

### Approvals / Certificates

#### General approvals



| Approval                                    | Standard       | Certificate Name                |
|---|----------------|---------------------------------|
| EAC<br>Brjansker Zertifizierungs-<br>stelle | TP TC 004/2011 | EAC RU C-DE.AM02.<br>B.00122/19 |

### Downloads

## Environmental Product Compliance

| Compliance Search                        |  |  |   |
|--|--|--|---|
| Environmental Product Compliance 289-507 |  |  | ↓ |

## Documentation

| Bid Text |            |                 |   |
|----------|------------|-----------------|---|
| 289-507  | 19.02.2019 | xml<br>3.26 KB  | ↓ |
| 289-507  | 09.02.2015 | doc<br>25.00 KB | ↓ |

| Instruction Leaflet |                   |   |
|---------------------|-------------------|---|
|                     | pdf<br>1246.19 KB | ↓ |

## CAD/CAE-Data

| CAD data             |   |
|----------------------|---|
| 2D/3D Models 289-507 | ↓ |




| CAE data                  |   |
|---------------------------|---|
| EPLAN Data Portal 289-507 | ↓ |
| WSCAD Universe 289-507    | ↓ |
| ZUKEN Portal 289-507      | ↓ |

## 1 Compatible Products

### 1.1 Optional Accessories


#### 1.1.1 Marking

##### 1.1.1.1 Marking strip

|   |   |   |
|---|---|---|
|  |    |                                   |
| <p><b>Item No.: 709-196</b><br/>Marking strips; for laser printer; translucent</p>  | <p><b>Item No.: 709-177</b><br/>Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent</p> | <p><b>Item No.: 709-178</b><br/>Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white</p> |

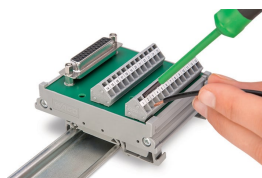
#### 1.1.2 Tool

##### 1.1.2.1 Operating tool

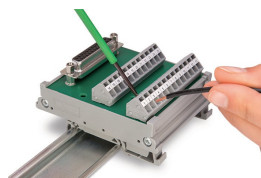
|  |
|--|
|                                       |
| <p><b>Item No.: 210-720</b><br/>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured</p> |

## Installation Notes

## Conductor termination

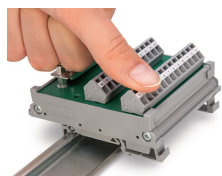


Conductor termination – screwdriver ac-  
tuation parallel to conductor entry

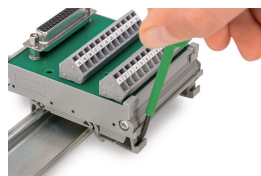


Conductor termination – screwdriver ac-  
tuation perpendicular to conductor entry

## Installation



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.