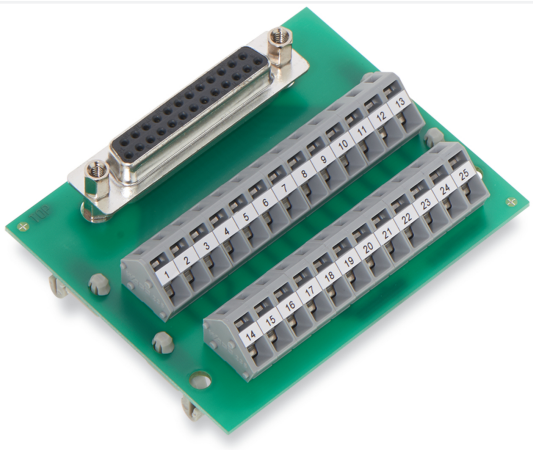
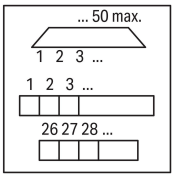
# Data Sheet | Item Number: 289-458

Interface module; with solder pin; Female connector; 37-pole; Mating connector with solder connection; Vertical mounting; PCB terminal blocks, double-row; with mounting feet; 2,50 mm²

https://www.wago.com/289-458






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

## Safety and protection

| | |
|---|---|
| Rated Voltage | 50 V |
| Rated impulse withstand voltage | 0.8 kV |
| Pollution degree | 2 |
| Protection type | IP00 |
| 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 female connector |
| Pole number 1 | 37 |
| Connection type | System |
| Note (conductor cross-section) | 12 AWG: THHN, THWN |
| Mating direction | vertical |



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## Connection 2

| | |
|---|---|
| Design | PCB terminal blocks (double-row) |
| Pole number | 37 |
| Connection type | Field |
| Connection technology | CAGE CLAMP® |
| WAGO connector | WAGO 236 Series |
| Solid conductor | 0.08 … 2.5 mm² / 28 … 12 AWG |
| Fine-stranded conductor | 0.08 … 2.5 mm² / 28 … 12 AWG |
| Strip length | 5 … 6 mm / 0.2 … 0.24 inches |

## Physical data

| | |
|---|---|
| Width | 120 mm / 4.724 inches |
| Height | 63.5 mm / 2.5 inches |
| Depth from upper-edge of DIN-rail | 19 mm / 0.748 inches |

## Mechanical data

| | |
|---|---|
| Mounting type | DIN-35 rail |
| Housing design | PCB with mounting feet |

## Material data

| | |
|---|---|
| Contact material (connector) | Au over Ni |
| Fire load | 0.084 MJ |
| Weight | 79.3 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 |

## Commercial data

| | |
|---|---|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| PU (SPU) | 10 (1) pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454480479 |
| Customs tariff number | 85366990990 |


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## 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 |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 289-458

### Documentation

**Bid Text**

| | | |
|---|---|---|
| 289-458 | 06.02.2015 | doc 26.00 KB |

**Instruction Leaflet**

| | | |
|---|---|---|
| Operation and Assembly Instructions Interface | V 1.0.0 02.04.2025 | pdf 1246.19 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 289-458

**CAE data**

EPLAN Data Portal 289-458

WSCAD Universe 289-458

ZUKEN Portal 289-458

## 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



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### 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 Tool

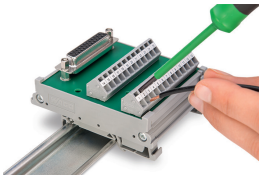
### 1.1.2.1 Operating tool



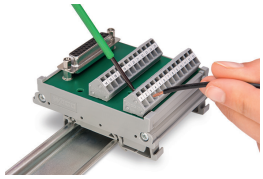
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination



Conductor termination – screwdriver actuation parallel to conductor entry



Conductor termination – screwdriver actuation perpendicular to conductor entry


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