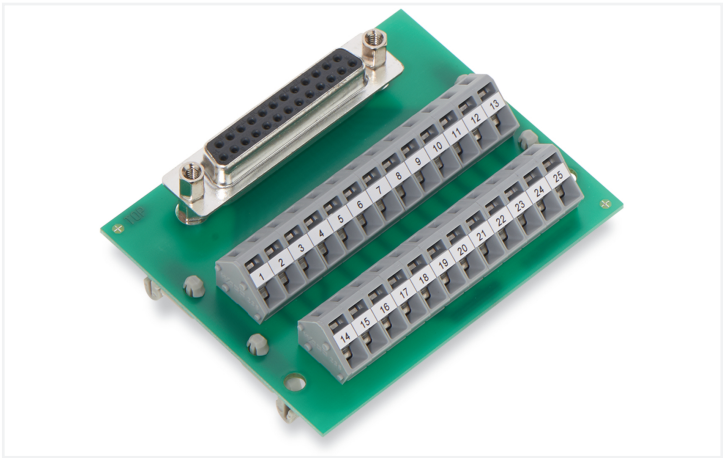


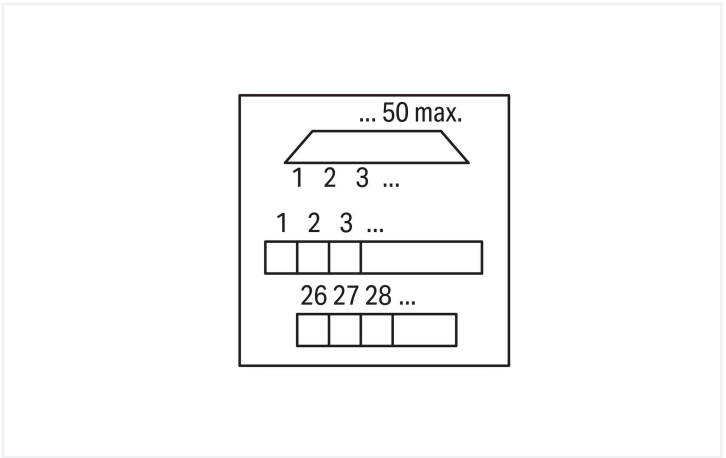
Data Sheet | Item Number: 289-455

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

<https://www.wago.com/289-455>



Similar to illustration



| Notes              |                                                                                                                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | <b>Notice!</b> 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              |
| <b>Connection 1</b>            |                                 |
| Pluggable connector            | D-subminiature female 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                  |

| Connection 2            |                                  |
|-------------------------|----------------------------------|
| 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                             |  | 38 mm / 1.496 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                    |  | 0.056 MJ   |
| Weight                       |  | 25.3 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)              |  | 40 (1) pcs               |
| Packaging type        |  | Box                      |
| Country of origin     |  | DE                       |
| GTIN                  |  | 4045454371159            |
| 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 8.0               |  | EC002780             |
| ECCN                   |  | NO US CLASSIFICATION |

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 289-455

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Documentation

Bid Text

|         |            |                 |               |
|---------|------------|-----------------|---------------|
| 289-455 | 19.02.2019 | xml<br>3.56 KB  | Download icon |
| 289-455 | 06.02.2015 | doc<br>26.00 KB | Download icon |

Instruction Leaflet

|                                               |                       |                   |               |
|-----------------------------------------------|-----------------------|-------------------|---------------|
| Operation and Assembly Instructions Interface | V 1.0.0<br>02.04.2025 | pdf<br>1246.19 KB | Download icon |
|-----------------------------------------------|-----------------------|-------------------|---------------|

CAD/CAE-Data

CAD data

2D/3D Models 289-455

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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 Tool

### 1.1.2.1 Operating tool

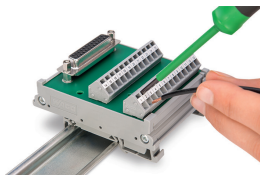


#### Item No.: 210-720

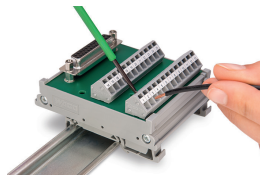
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination



Conductor termination – screwdriver actuation parallel to conductor entry



Conductor termination – screwdriver actuation perpendicular to conductor entry