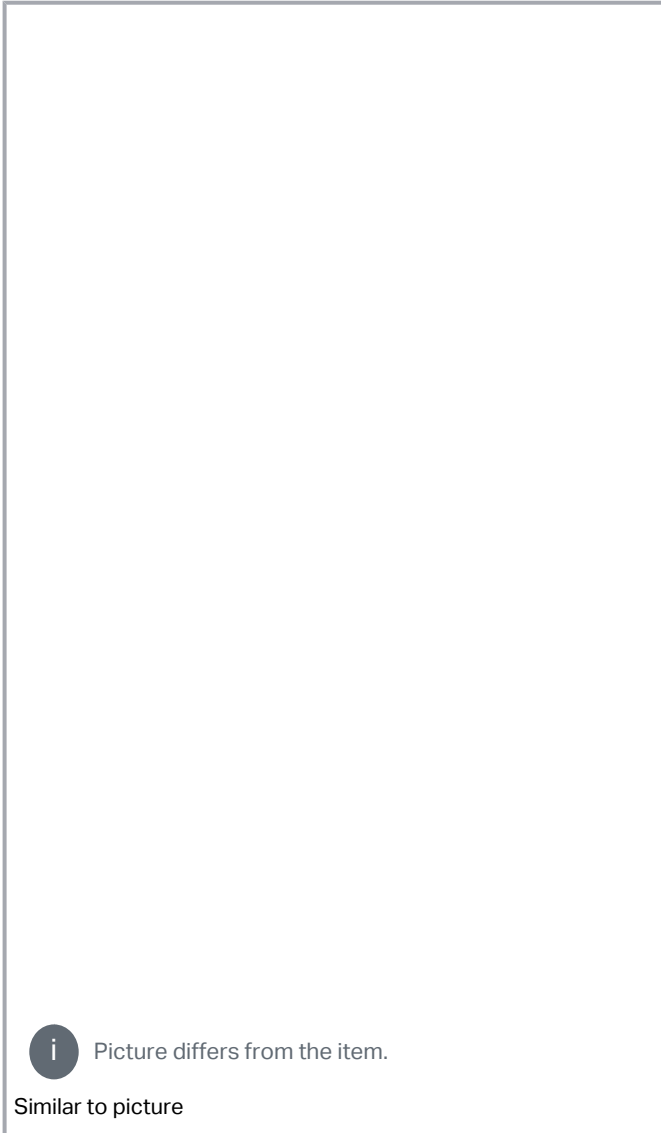


**Data sheet | Item number: 289-401**

Interface module; Pluggable connector per DIN 41651; 10-pole; PCB terminal blocks, double-row; with mounting feet; 2,50 mm<sup>2</sup>

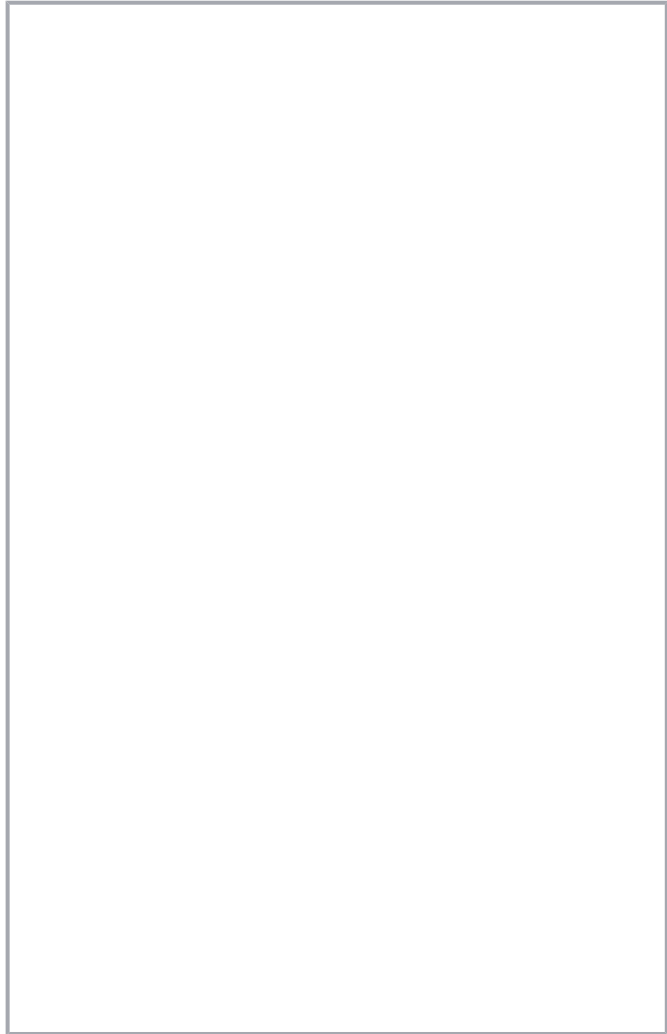


[www.wago.com/289-401](http://www.wago.com/289-401)



Picture differs from the item.

Similar to picture



**Data**

**Electrical data**

|                   |                  |
|-------------------|------------------|
| Operating voltage | ≤30 VAC; ≤50 VDC |
| Nominal current   | 1 A              |

Subject to changes. Please also observe the further product documentation!

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## Safety and protection

|                     |   |
|---------------------|---|
| Rated voltage       | 50 V  |
| Rated surge voltage | 0.8 kV  |
| 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. |
| Insulation type     | Basic insulation  |

## Connection data

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

### Connection 1

|                                |                                     |
|--------------------------------|-------------------------------------|
| Connector                      | DIN 41651 connector; male connector |
| Pole number 1                  | 10                                  |
| 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             | 10   |
| 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                             | 41 mm / 1.614 inches |
| Height                            | 63.5 mm / 2.5 inches |
| Depth from upper-edge of DIN-rail | 28 mm / 1.102 inches |

Subject to changes. Please also observe the further product documentation!

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## Mechanical Data

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

## Material Data

|                              |            |
|------------------------------|------------|
| Contact material (connector) | Au over Ni |
| Fire load                    | 0.054 MJ   |
| Weight                       | 25 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)              | 15 (1) pcs               |
| Packaging type        | box                      |
| Country of origin     | DE                       |
| GTIN                  | 4045454353391            |
| Customs tariff number | 85366990990              |

## Environmental Product Compliance

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

## Optional accessories

### Mounting

|               |  |
|---------------|--|
| Cover carrier |  |
|---------------|--|

Subject to changes. Please also observe the further product documentation!

**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

[www.wago.com/709-167](http://www.wago.com/709-167)

## Cover

**Item no.: 709-153**

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

[www.wago.com/709-153](http://www.wago.com/709-153)

## Tool

## Operating tool

**Item no.: 210-720**

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

[www.wago.com/210-720](http://www.wago.com/210-720)**Downloads****Documentation****Bid Text**

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| 289-401<br>X81 - Datei | 2019 年2月19日 | xml<br>3.3 kB | Download |
|------------------------|-------------|---------------|----------|

|                        |            |                |          |
|------------------------|------------|----------------|----------|
| 289-401<br>doc - Datei | 2015 年2月9日 | doc<br>25.6 kB | Download |
|------------------------|------------|----------------|----------|

**Instruction Leaflet**

|  |  |               |          |
|--|--|---------------|----------|
|  |  | pdf<br>1.3 MB | Download |
|--|--|---------------|----------|

**Additional Information**

|   |                        |               |          |
|---|------------------------|---------------|----------|
| Disposal and Recycling<br>Electrical and electronic equipment, Batteries, Packaging | V 1.1.0<br>2022 年8月18日 | pdf<br>2.2 MB | Download |
|---|------------------------|---------------|----------|

**CAD/CAE-Data****CAD data**

|                      |  |     |          |
|----------------------|--|-----|----------|
| 2D/3D Models 289-401 |  | URL | Download |
|----------------------|--|-----|----------|

**CAE data**

|                        |  |     |          |
|------------------------|--|-----|----------|
| WSCAD Universe 289-401 |  | URL | Download |
|------------------------|--|-----|----------|

|                      |  |     |          |
|----------------------|--|-----|----------|
| ZUKEN Portal 289-401 |  | URL | Download |
|----------------------|--|-----|----------|

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 289-401

[URL](#)

[Download](#)

Interface module; Pluggable connector per DIN 41651; 10-pole; PCB terminal blocks, double-row; with mounting feet; 2,50 mm<sup>2</sup>

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## Installation Notes

### Conductor termination



Conductor termination – screwdriver actuation parallel to conductor entry



Conductor termination – screwdriver actuation perpendicular to conductor entry

Subject to changes. Please also observe the further product documentation!

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