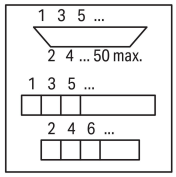
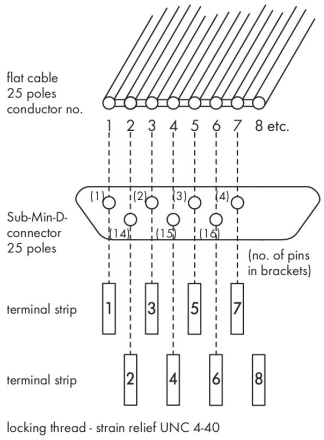
# Data Sheet | Item Number: 289-542

Interface module; with solder pin; Male connector; 25-pole; for mating connectors with IDC; Vertical mounting; PCB terminal blocks, double-row; in mounting carrier; 2,50 mm²

https://www.wago.com/289-542






| 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 | 25 |
| Connection type | System |
| Note (conductor cross-section) | 12 AWG: THHN, THWN |
| Mating direction | vertical |

### Connection 2

| | |
|---|---|
| Design | PCB terminal blocks (triple-row) |
| Pole number | 25 |
| 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 | 72 mm / 2.835 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 | 0.822 MJ |
| Weight | 82.2 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 |


Continued on next page

## Commercial data

| | |
|---|---|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| PU (SPU) | 4 (1) pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454362096 |
| Customs tariff number | 85366990990 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39121409 |
| 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 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 Conformity<br>WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 289-542

### Documentation

**Bid Text**

| | | |
|---|---|---|
| 289-542 | 06.02.2015 | doc<br>26.00 KB |

**Instruction Leaflet**

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


Continued on next page

## CAD/CAE-Data

| CAE data | |
|---|---|
| EPLAN Data Portal<br>289-542 | |
| WSCAD Universe<br>289-542 | |

## 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

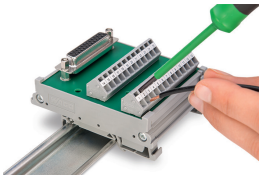
##### 1.1.2.1 Operating tool



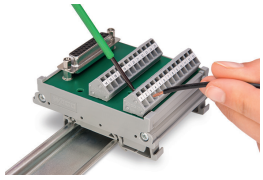
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination

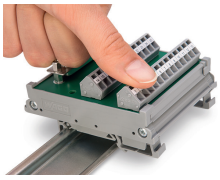


Conductor termination – screwdriver actuation parallel to conductor entry

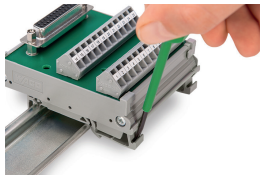


Conductor termination – screwdriver actuation perpendicular to conductor entry

### Installation



Snapping a module onto DIN-rail.



Removing a module from the DIN-rail.