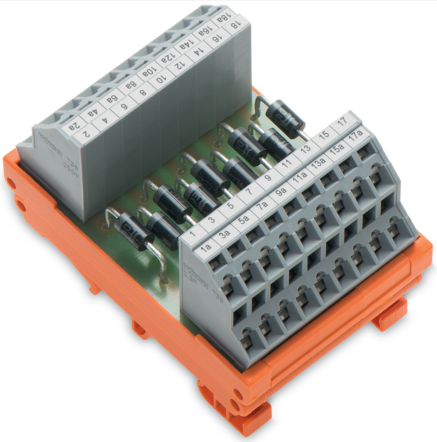
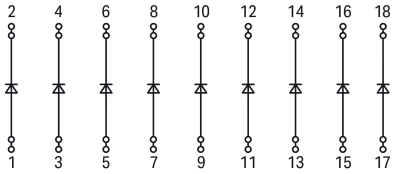
# Data Sheet | Item Number: 289-105

Component module with diode; with 9 pcs; Diode 1N5408; 2,50 mm²

https://www.wago.com/289-105






## 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. |
| Note | Max. permissible forward current per the manufacturer's data sheet. With all diodes loaded, the continuous current must be reduced to 0.45 A. |

## Electrical data

| | |
|---|---|
| Operating voltage | ≤ 250 VAC/VDC |
| Peak reverse voltage | 1000 V |
| Type of diode | 1N5408 |
| Number/type of diode/LED | 9 diodes |
| Rectified current for each diode (resistive) | 3 A |
| Forward voltage per diode | 1.3 V |
| Forward current per diode (resistive) | 3 A |
| Leakage current | 10 µA |

## Safety and protection

| | |
|---|---|
| Rated Voltage | 250 V |
| Rated impulse withstand voltage | 4 kV |
| Pollution degree | 2 |
| Protection type | IP00 |

## Connection Data

| | |
|---|---|
| Note (conductor cross-section) | 12 AWG: THHN, THWN |

### Connection 1

| | |
|---|---|
| Connection technology | CAGE CLAMP® |
| WAGO connector | WAGO 736 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 |


Continued on next page

## Physical data

| | |
|---|---|
| Width | 51 mm / 2.008 inches |
| Height | 85 mm / 3.346 inches |
| Depth from upper-edge of DIN-rail | 48 mm / 1.89 inches |

## Mechanical data

| | |
|---|---|
| Mounting type | DIN-35 rail |
| Housing design | Mounting carrier |

## Material data

| | |
|---|---|
| Fire load | 0.534 MJ |
| Weight | 79.2 g |

## Environmental requirements

| | |
|---|---|
| Ambient temperature (operation) | -25 … +40 °C |

## Commercial data

| | |
|---|---|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| PU (SPU) | 10 (1) pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454198282 |
| Customs tariff number | 85369010000 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39121629 |
| eCl@ss 10.0 | 27-14-11-27 |
| eCl@ss 9.0 | 27-14-11-49 |
| ETIM 9.0 | EC000903 |
| ETIM 10.0 | EC000903 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant,No Exemption |
| SCIP notification number (Bulgaria) | 051bb2a9-5315-4f37-b0e3-aeb042beb2da |
| SCIP notification number (Czech Republic) | dd3b9fed-68b1-4d60-8abb-e06327e7f4ca |

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| 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 | - | - |


Continued on next page

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 289-105

### Documentation

**Bid Text**

| | | |
|---|---|---|
| 289-105 | 11.02.2015 | doc 26.00 KB |
| 289-105 | 19.02.2019 | xml 3.84 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 289-105

**CAE data**

EPLAN Data Portal 289-105

WSCAD Universe 289-105

ZUKEN Portal 289-105

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Ferrule

##### 1.1.1.1 Ferrule



Item No.: 216-321
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-322
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-221
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white



Item No.: 216-222
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-223
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item No.: 216-224
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black


Continued on next page

## 1.1.2 Installation

### 1.1.2.1 Cover



Item No.: 709-153
Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

### 1.1.2.2 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

## 1.1.3 Marking

### 1.1.3.1 Marking strip



Item No.: 709-196
Marking strips; for laser printer; translucent



Item No.: 210-831
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



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

## 1.1.4 Tool

### 1.1.4.1 Operating tool



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