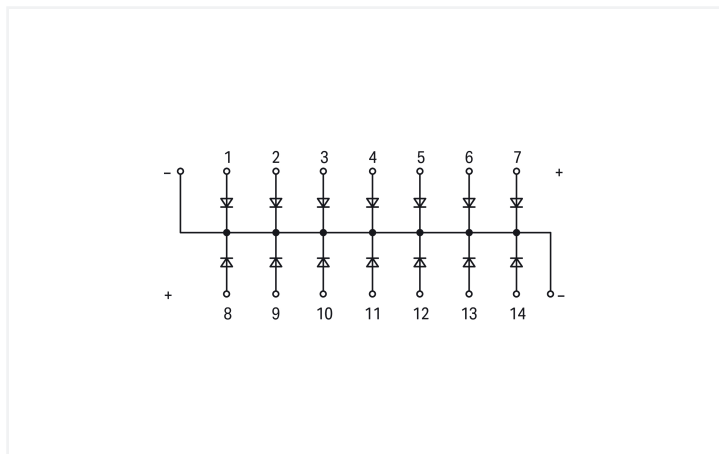
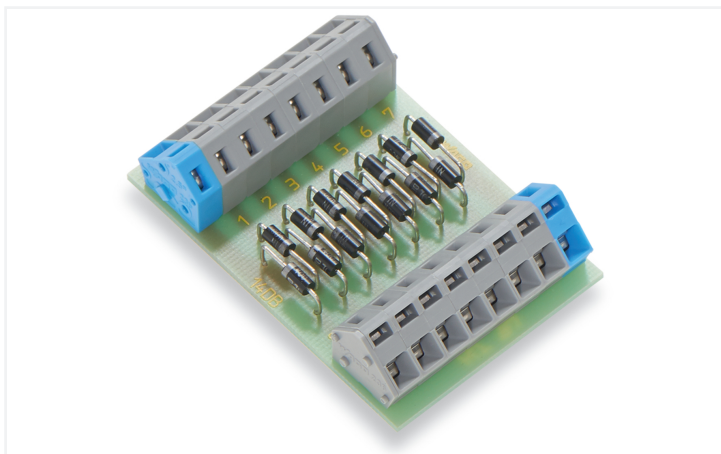


# Data Sheet | Item Number: 289-111

Component module with diode; with 14 pcs; Diode 1N4007; with common cathode; 2,50 mm<sup>2</sup>

<https://www.wago.com/289-111>



## 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	1N4007; with common cathode
Number/type of diode/LED	14 diodes
Rectified current for each diode (resistive)	1 A
Forward voltage per diode	1.1 V
Forward current per diode (resistive)	1 A
Leakage current	50 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 236 Series
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

### Physical data

Width	42.5 mm / 1.673 inches
Height from the surface	32 mm / 1.26 inches
Depth	62.5 mm / 2.461 inches

### Mechanical data

Mounting type	Mounting on DIN-rail via DIN-rail adapter
Housing design	PCB

### Material data

Fire load	0 MJ
Weight	25.6 g

### Environmental requirements

Ambient temperature (operation)	-25 ... +40 °C
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### Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	50 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454192761
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

CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a)
SCIP notification number (Austria)	8d3ff2d5-b591-4e51-9d39-3424bd391e82
SCIP notification number (Belgium)	96ca9689-b508-42b9-ab5e-d3f67dfc8da6
SCIP notification number (Bulgaria)	0f8b4f87-cf19-4f7b-ae3-fcc1dbf31127
SCIP notification number (Czech Republic)	4b291d39-5af9-4a09-9048-2a8203e2a22f
SCIP notification number (Denmark)	8d9f09f2-bdd5-422e-96b4-ba0912a74ea7
SCIP notification number (Finland)	e7fa87ba-32e0-4249-ab19-73bc2a29ff9c
SCIP notification number (France)	b9c1b78a-9ae4-4e56-a5fa-dce4db66dc0f
SCIP notification number (Germany)	7f7d7235-33e7-4211-ac4d-e29c8b42f806
SCIP notification number (Hungary)	577067a2-858d-489f-b5a0-dbc75d281d4d
SCIP notification number (Italy)	10e53c66-3123-4983-9c39-b29252731b82
SCIP notification number (Netherlands)	031570be-fff6-494d-80c6-b4f25ffc2768
SCIP notification number (Poland)	d13d8daa-9727-47b7-ab67-d8297a04c70f
SCIP notification number (Romania)	2f93e3af-a5ce-4c3c-9825-14bd894cea3b

**Environmental Product Compliance**

SCIP notification number (Sweden)

00b21fbc-11e1-401a-b0de-79d58c6b567d

**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 289-111	<a href="#">↓</a>
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**Documentation**

Bid Text			
289-111	11.02.2015	doc 25.00 KB	<a href="#">↓</a>
289-111	19.02.2019	xml 3.50 KB	<a href="#">↓</a>

Instruction Leaflet			
Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf 1246.19 KB	<a href="#">↓</a>

**CAD/CAE-Data**

**CAE data**

EPLAN Data Portal 289-111	<a href="#">↓</a>
WSCAD Universe 289-111	<a href="#">↓</a>

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Ferrule

##### 1.1.1.1 Ferrule



**Item No.: 216-301**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow



**Item No.: 216-321**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow



**Item No.: 216-302**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise



**Item No.: 216-322**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise



**Item No.: 216-201**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white



**Item No.: 216-241**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



**Item No.: 216-221**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white



**Item No.: 216-242**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-262**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-202**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray



**Item No.: 216-222**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray



**Item No.: 216-243**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-263**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-203**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red



**Item No.: 216-223**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red



**Item No.: 216-204**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black



**Item No.: 216-224**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black



**Item No.: 216-244**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-264**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-284**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

#### 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

### 1.1.2.3 Mounting carrier and mounting feet



**Item No.: 288-001**

Mounting carrier; gray

**Item No.: 288-002**

Universal mounting foot; snap-fit type;  
suitable for DIN 15, 35 and 32 rails; gray

### 1.1.3 Marking

#### 1.1.3.1 Marking strip



**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

### 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