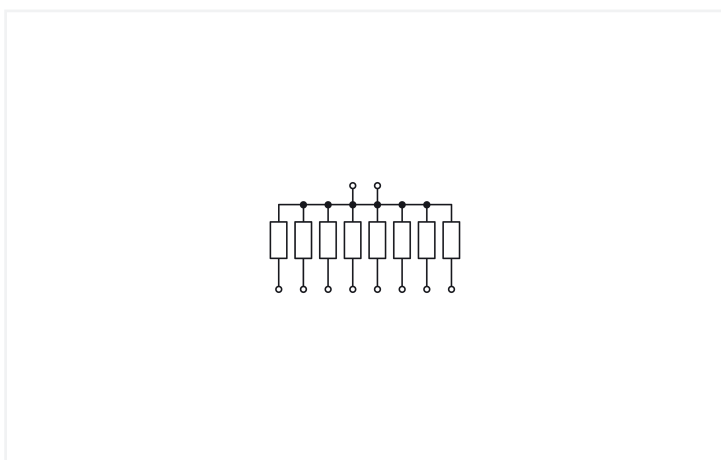
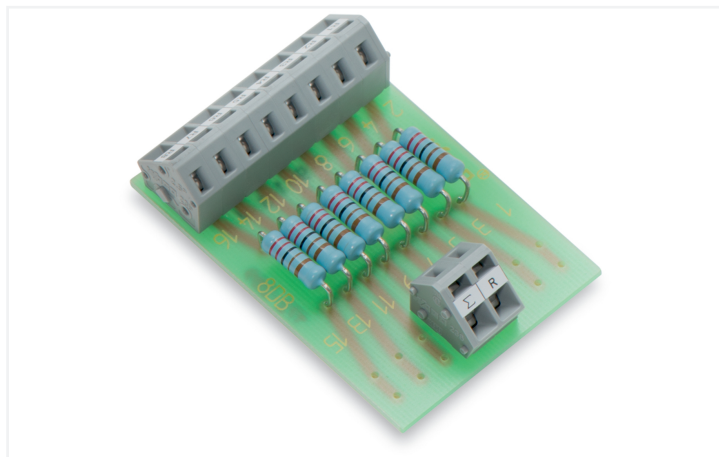
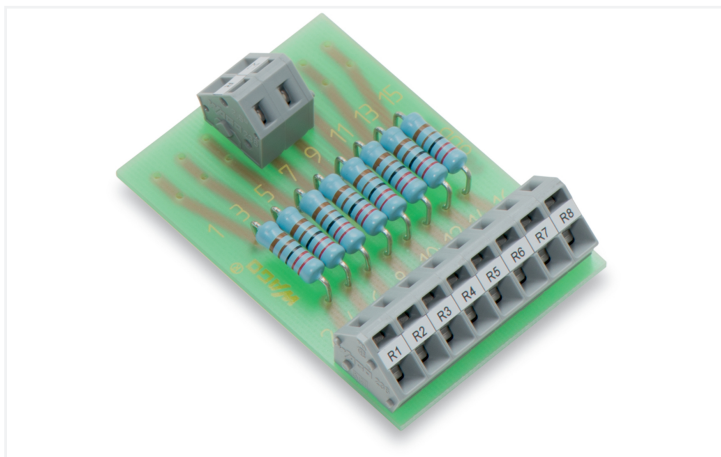


# Data Sheet | Item Number: 289-113

Component module with resistor; with 8 pcs; Resistor 2K2; 1 Watt; 2,50 mm<sup>2</sup>

<https://www.wago.com/289-113>



## 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. admissible capacity of a single resistor – with all resistors loaded, the max. admissible power dissipation must be reduced.  
Other resistors are available upon request!

## Electrical data

Operating voltage	≤ 40 VAC/VDC
Resistor	2K2
Tolerance	±1 %
Resistor type/design	DIN 0414
Temperature coefficient	50 ppm (20 °C)
Component rated dissipation (P70)	1 W

### Safety and protection

Rated Voltage	250 V
Rated impulse withstand voltage	4 kV
Protection type	IP00

### Connection Data

Note (conductor cross-section)	12 AWG: THHN, THWN	<b>Connection 1</b>	
		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	18.9 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	4045454192785
Customs tariff number	85369010000

### Product Classification

UNSPSC	32121705
eCl@ss 10.0	27-39-03-13
eCl@ss 9.0	27-39-03-13
ETIM 9.0	EC000903
ETIM 10.0	EC000903
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

## Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 289-113	<a href="#">↓</a>

## Documentation

Bid Text				Instruction Leaflet			
289-113	11.02.2015	doc 25.00 KB	<a href="#">↓</a>	Operation and Assembly Instructions Interface	V 1.0.0 02.04.2025	pdf 1246.19 KB	<a href="#">↓</a>
289-113	19.02.2019	xml 3.47 KB	<a href="#">↓</a>				

## CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 289-113	<a href="#">↓</a>	EPLAN Data Portal 289-113	<a href="#">↓</a>
		WSCAD Universe 289-113	<a href="#">↓</a>
		ZUKEN Portal 289-113	<a href="#">↓</a>

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Ferrule

##### 1.1.1.1 Ferrule

<a href="#">Item No.: 216-301</a> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow	<a href="#">Item No.: 216-321</a> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow	<a href="#">Item No.: 216-302</a> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise	<a href="#">Item No.: 216-322</a> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise
<a href="#">Item No.: 216-201</a> 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	<a href="#">Item No.: 216-241</a> 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	<a href="#">Item No.: 216-221</a> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white	<a href="#">Item No.: 216-242</a> 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
<a href="#">Item No.: 216-262</a> 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	<a href="#">Item No.: 216-202</a> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	<a href="#">Item No.: 216-222</a> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	<a href="#">Item No.: 216-243</a> 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

### 1.1.1.1 Ferrule



**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 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