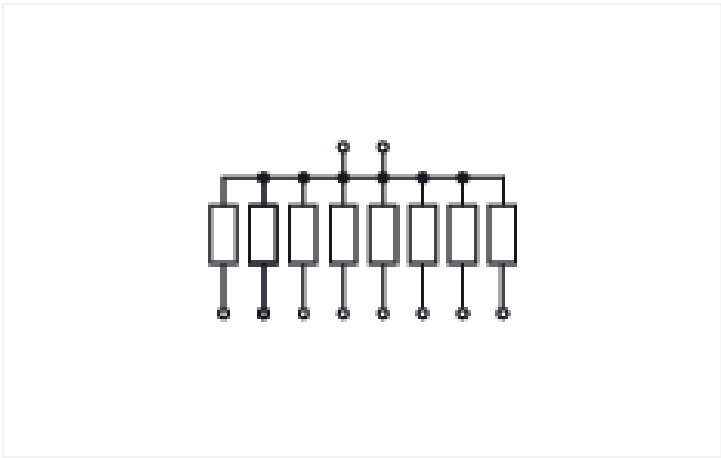
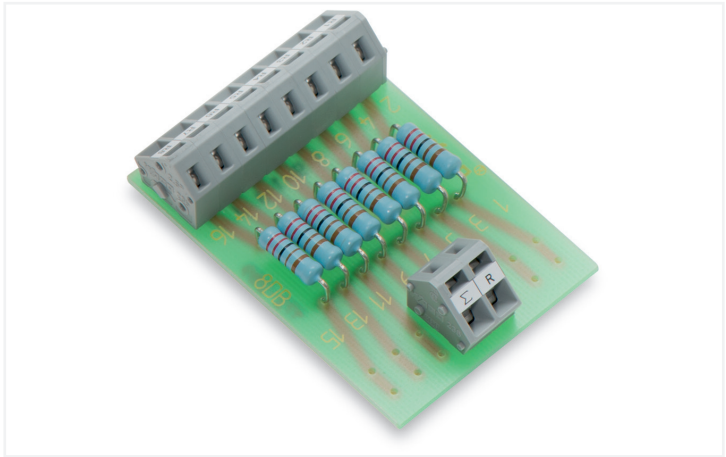
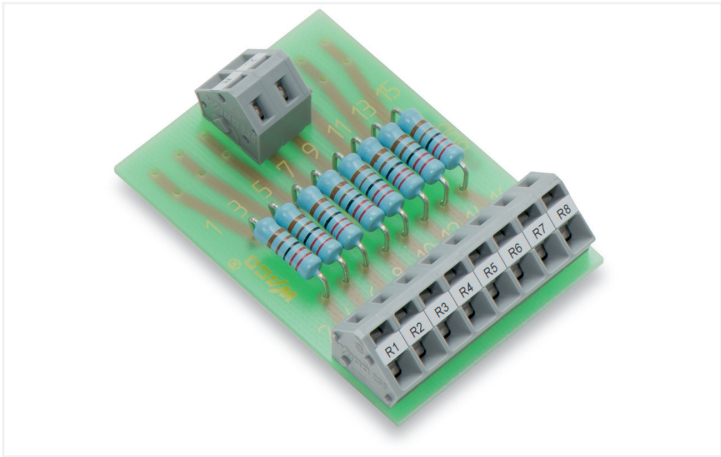




| Notes |                                                                                                                                                                                  |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note  | Max. admissible capacity of a single resistor – with all resistors loaded, the max. admissible power dissipation must be reduced.<br>Other resistors are available upon request! |

| Electrical data                   |                |
|-----------------------------------|----------------|
| Operating voltage                 | ≤ AC/DC 40 V   |
| 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 surge voltage             | 4 kV                                      |
| Connection data                 |                                           |
| 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          |
| Note (conductor cross-section)  | 12 AWG: THHN, THWN                        |
| 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                            |
| Commercial data                 |                                           |
| Product Group                   | 6 (INTERFACE ELECTRONIC)                  |
| eCl@ss 10.0                     | 27-39-03-13                               |
| eCl@ss 9.0                      | 27-39-03-13                               |
| ETIM 8.0                        | EC000903                                  |
| ETIM 7.0                        | EC000903                                  |
| PU (SPU)                        | 50 (1) pcs                                |
| Packaging type                  | Box                                       |
| Country of origin               | DE                                        |
| GTIN                            | 4045454192785                             |
| Customs tariff number           | 85369010000                               |



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

Downloads

| Environmental Product Compliance         |  |
|------------------------------------------|--|
| Compliance Search                        |  |
| Environmental Product Compliance 289-113 |  |

Documentation

| Bid Text |            |                 |  | Instruction Leaflet |                   |
|----------|------------|-----------------|--|---------------------|-------------------|
| 289-113  | 11.02.2015 | doc<br>25.00 KB |  |                     | pdf<br>1246.19 KB |
| 289-113  | 19.02.2019 | xml<br>3.47 KB  |  |                     |                   |

CAD/CAE-Data

| CAD data             |  | CAE data                  |  |
|----------------------|--|---------------------------|--|
| 2D/3D Models 289-113 |  | EPLAN Data Portal 289-113 |  |
|                      |  | WSCAD Universe 289-113    |  |
|                      |  | ZUKEN Portal 289-113      |  |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

|                                                                                                                                                                                    |                                                                                                              |                                                                                                                       |                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow                                                                       | <br><b>Item No.: 216-321</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | <br><b>Item No.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise | <br><b>Item No.: 216-322</b><br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise                                                              |
| <br><b>Item No.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | <br><b>Item No.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white   | <br><b>Item No.: 216-221</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white            | <br><b>Item No.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray |
| <br><b>Item No.: 216-262</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <br><b>Item No.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray   | <br><b>Item No.: 216-222</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray            | <br><b>Item No.: 216-243</b><br>Ferrule; Sleeve for 1 mm² / 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 mm² / 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 mm² / AWG 18; insulated; electro-tin plated; red



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



**Item No.: 216-204**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



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



**Item No.: 216-244**  
Ferrule; Sleeve for 1.5 mm² / 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 mm² / 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 mm² / 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