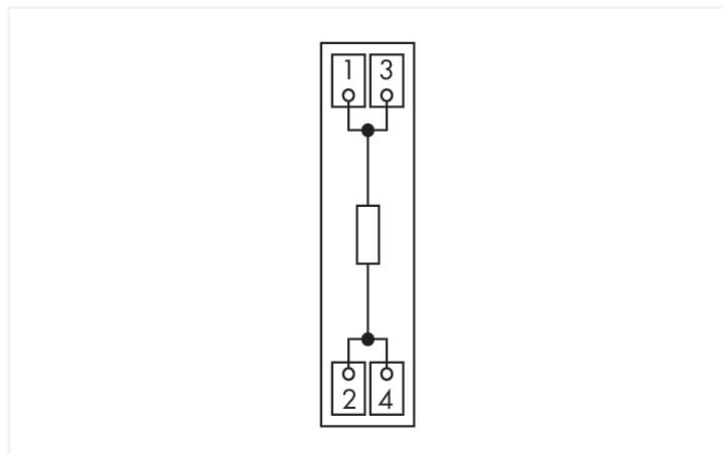


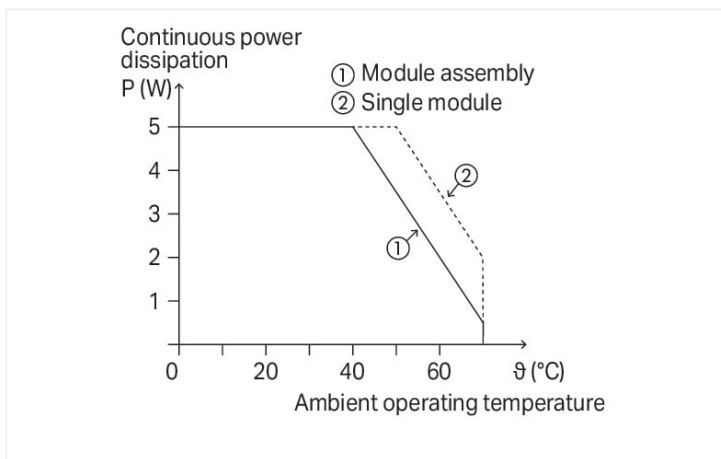
# Data Sheet | Item Number: 289-128/002-000

Component module with resistor; with 1 pcs; Resistor 4K7; 5 Watt; in mounting carrier

<https://www.wago.com/289-128/002-000>



Similar to illustration



Current-carrying capacity curve

## Notes

**Safety information** Depending on operating conditions, the components' temperature may exceed the limit temperature for accessible parts.

**Note** Other resistors are available upon request!

## Electrical data

|                                   |                |
|-----------------------------------|----------------|
| Resistance                        | 4K7            |
| Tolerance                         | ±10 %          |
| Temperature coefficient           | 50 ppm (20 °C) |
| Component rated dissipation (P70) | 5 W            |

### Safety and protection

|                 |   |
|-----------------|---|
| Protection type | IP00;<br><b>Notice!</b> Live parts can be easily touched! Protection against direct contact must be provided by the equipment manufacturer, e.g., using a WAGO 709 Series Cover (see "Accessories") or a similar cover. The installation guidelines must be observed for each individual application. |
|-----------------|---|

### Connection data

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

### Physical data

|                                   |                      |
|-----------------------------------|----------------------|
| Width                             | 13 mm / 0.512 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

|           |          |
|-----------|----------|
| Fire load | 0.515 MJ |
| Weight    | 18.9 g   |

### Environmental requirements

|                                 |  |
|---------------------------------|--|
| Ambient temperature (operation) | -20 ... +70 °C (Derating must be observed) |
| Ambient temperature (storage)   | -40 ... +70 °C                             |

### Commercial data

|                       |                          |
|-----------------------|--------------------------|
| Product Group         | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0           | 27-14-11-27              |
| eCl@ss 9.0            | 27-14-11-49              |
| ETIM 8.0              | EC000903                 |
| ETIM 7.0              | EC000903                 |
| PU (SPU)              | 18 (1) pcs               |
| Packaging type        | Box                      |
| Country of origin     | DE                       |
| GTIN                  | 4055143324618            |
| Customs tariff number | 85369010000              |

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

## Downloads

### Environmental Product Compliance

| Compliance Search                                   |                   |
|---|-------------------|
| Environmental Product Compliance<br>289-128/002-000 | <a href="#">↓</a> |

## Documentation

| Bid Text        |            |                 |                   |
|-----------------|------------|-----------------|-------------------|
| 289-128/002-000 | 19.02.2019 | xml<br>3.40 KB  | <a href="#">↓</a> |
| 289-128/002-000 | 11.02.2015 | doc<br>25.00 KB | <a href="#">↓</a> |

| Instruction Leaflet |                                     |
|---------------------|-------------------------------------|
|                     | pdf<br>1246.19 KB <a href="#">↓</a> |

## CAD/CAE-Data

| CAD data                        |                   |
|---------------------------------|-------------------|
| 2D/3D Models<br>289-128/002-000 | <a href="#">↓</a> |

| CAE data                             |                   |
|--------------------------------------|-------------------|
| EPLAN Data Portal<br>289-128/002-000 | <a href="#">↓</a> |
| WSCAD Universe<br>289-128/002-000    | <a href="#">↓</a> |
| ZUKEN Portal<br>289-128/002-000      | <a href="#">↓</a> |

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Ferrule

##### 1.1.1.1 Ferrule

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