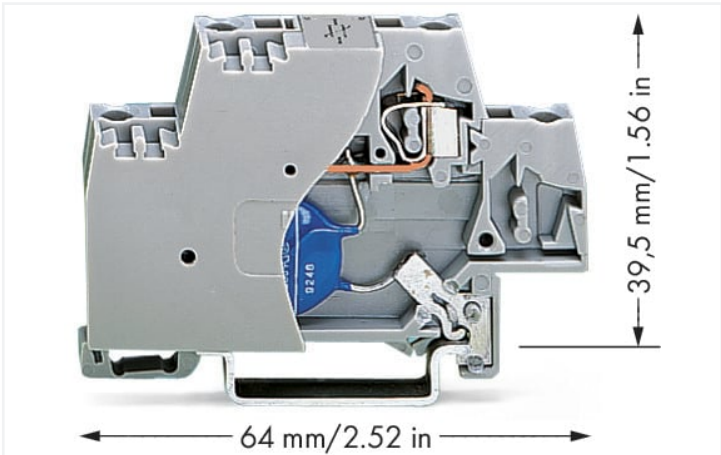
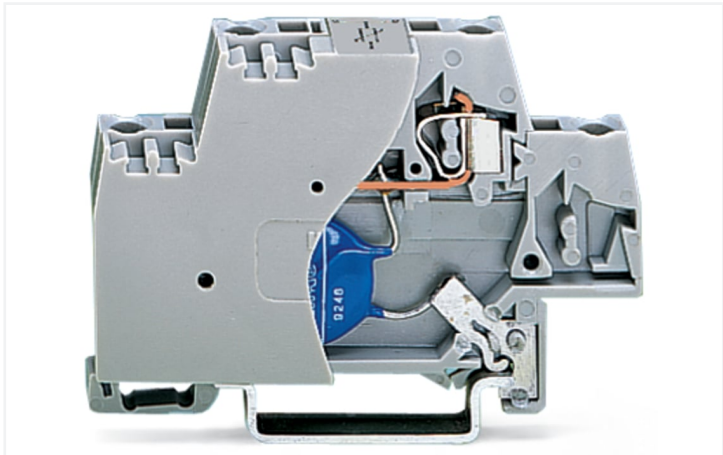


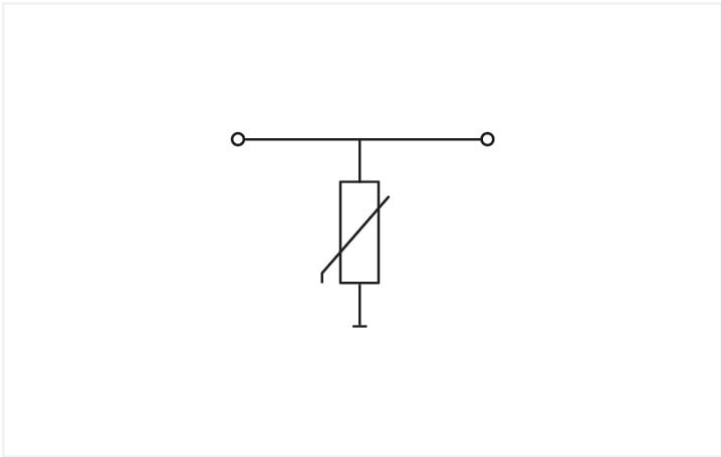


Color: ■ gray

Similar to illustration



Similar to illustration



**Short description:**  
This component terminal block with surge suppression device, end plate and direct connection to the DIN-35 rail is equipped with a varistor.

**Features:**

- Protect your system against overvoltage
- Slim, space-saving design
- Control operational costs by preventing expensive, unplanned downtime
- High operational reliability and system uptime

| Electrical data                            |          |
|--------------------------------------------|----------|
| Nominal operating voltage                  | 24 VAC   |
| Maximum continuous voltage                 | 30 VAC   |
| Rated continuous current                   | 20 A     |
| Nominal discharge current (8/20 µs) (line) | 300 A    |
| Discharge current (max.)                   | 1 kA     |
| Protection level (8/20 µs)                 | ≤ 93 VAC |
| Capacitance                                | ≤ 3.5 nF |



| Safety and protection              |                                                    |
|------------------------------------|----------------------------------------------------|
| Protection type                    | IP20                                               |
| Connection data                    |                                                    |
| Wiring direction                   | Front-entry wiring                                 |
| Connections (number)               | 2                                                  |
| Connection technology              | CAGE CLAMP®                                        |
| Solid conductor                    | 0.08 ... 2.5 mm² / 28 ... 14 AWG                   |
| Fine-stranded conductor            | 0.08 ... 2.5 mm² / 28 ... 14 AWG                   |
| Strip length                       | 8 ... 9 mm / 0.31 ... 0.35 inches                  |
| Physical data                      |                                                    |
| Width                              | 10 mm / 0.394 inches                               |
| Height                             | 64 mm / 2.52 inches                                |
| Depth from upper-edge of DIN-rail  | 39.5 mm / 1.555 inches                             |
| Mechanical data                    |                                                    |
| Design                             | with end plate; with direct connection to DIN-rail |
| Mounting type                      | DIN-35 rail                                        |
| Material data                      |                                                    |
| Color                              | gray                                               |
| Insulation material (main housing) | Polyamide (PA66)                                   |
| Material group                     | I                                                  |
| Flammability class per UL94        | V0                                                 |
| Fire load                          | 0.364 MJ                                           |
| Weight                             | 13.1 g                                             |
| Environmental requirements         |                                                    |
| Ambient temperature (operation)    | -25 ... +70 °C                                     |
| Processing temperature             | -35 ... +85 °C                                     |
| Operating altitude (max.)          | 2000 m                                             |
| Standards and specifications       |                                                    |
| Standards/specifications           | EN 60947-7-1<br>EN 60512-5-2                       |
| Commercial data                    |                                                    |
| Product Group                      | 1 (Rail Mounted Terminal Blocks)                   |
| eCl@ss 10.0                        | 27-14-11-27                                        |
| eCl@ss 9.0                         | 27-14-11-27                                        |
| ETIM 9.0                           | EC000903                                           |
| ETIM 8.0                           | EC000903                                           |
| PU (SPU)                           | 50 pcs                                             |
| Packaging type                     | Box                                                |
| Country of origin                  | DE                                                 |
| GTIN                               | 4050821860150                                      |
| Customs tariff number              | 85369010000                                        |



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

Approvals / Certificates

Declarations of conformity and manufacturer's declarations

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product  
Compliance  
280-502/281-586

↓

| Documentation   |            |                 |   |
|-----------------|------------|-----------------|---|
| Bid Text        |            |                 |   |
| 280-502/281-586 | 19.02.2019 | xml<br>3.38 KB  | ↓ |
| 280-502/281-586 | 11.02.2015 | doc<br>26.00 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
280-502/281-586

↓

CAE data

EPLAN Data Portal  
280-502/281-586

↓

WSCAD Universe  
280-502/281-586

↓

ZUKEN Portal  
280-502/281-586

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Insulation stop

1.1.1.1 Insulation stop



**Item No.: 280-470**  
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white



**Item No.: 280-471**  
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray



**Item No.: 280-472**  
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; black

1.1.2 Jumper

1.1.2.1 Jumper



**Item No.: 280-492**  
Jumper; 2-way; insulated; gray

1.1.3 Marking

1.1.3.1 Marker



**Item No.: 2009-145**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.: 248-501**  
Mini-WSB marking card; as card; 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