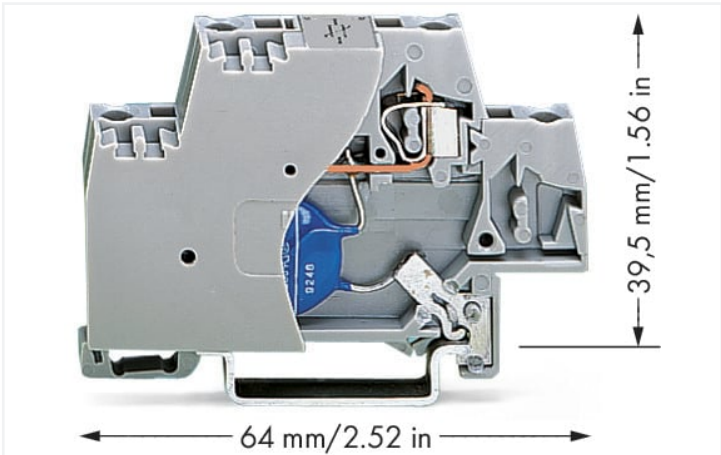
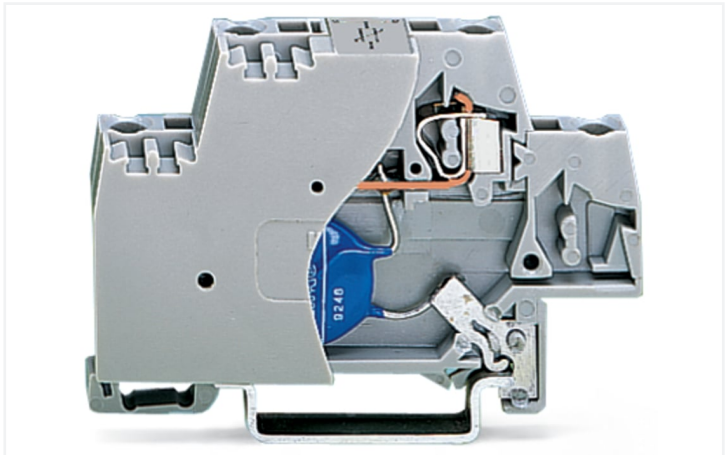


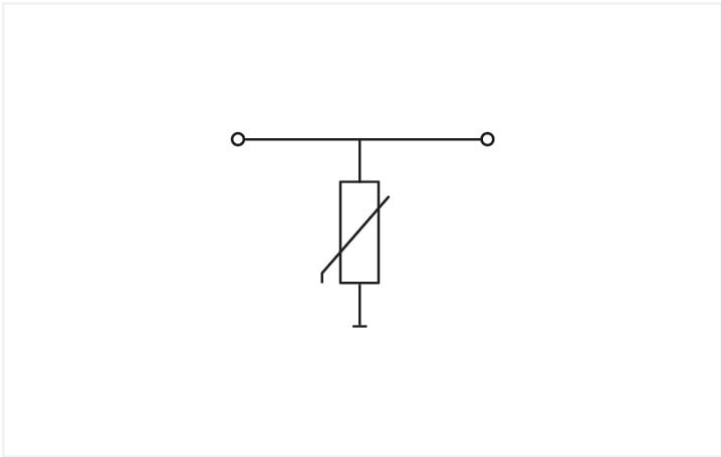


Color: ■ gray

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                  | 110 VDC   |
| Maximum continuous voltage                 | 150 VDC   |
| Rated continuous current                   | 20 A      |
| Nominal discharge current (8/20 µs) (line) | 1 kA      |
| Discharge current (max.)                   | 4.5 kA    |
| Protection level (8/20 µs)                 | ≤ 300 VDC |
| Capacitance                                | ≤ 800 pF  |

## 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                          | 0.366 MJ         |
| Weight                             | 12.5 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 (1) pcs                       |
| Packaging type        | Box                              |
| Country of origin     | DE                               |
| GTIN                  | 4050821301066                    |
| 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  
280-502/281-585

↓

| Documentation   |            |                 |   |
|-----------------|------------|-----------------|---|
| Bid Text        |            |                 |   |
| 280-502/281-585 | 19.02.2019 | xml<br>3.39 KB  | ↓ |
| 280-502/281-585 | 11.02.2015 | doc<br>26.00 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
280-502/281-585

↓

CAE data

EPLAN Data Portal  
280-502/281-585

↓

WSCAD Universe  
280-502/281-585

↓

ZUKEN Portal  
280-502/281-585

↓

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