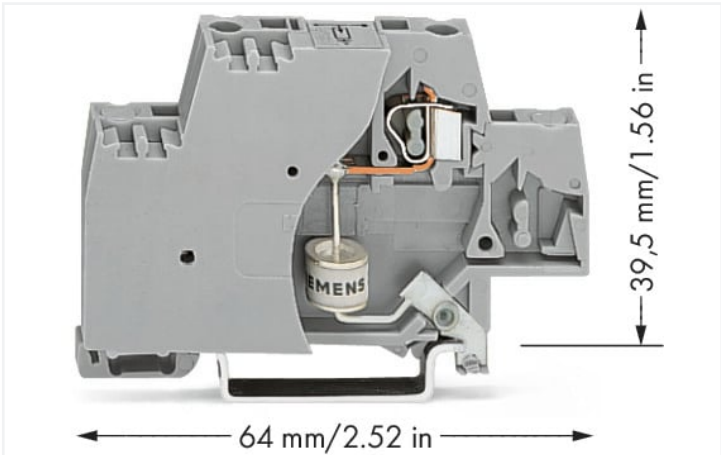


**Data Sheet | Item Number: 280-503/281-581**

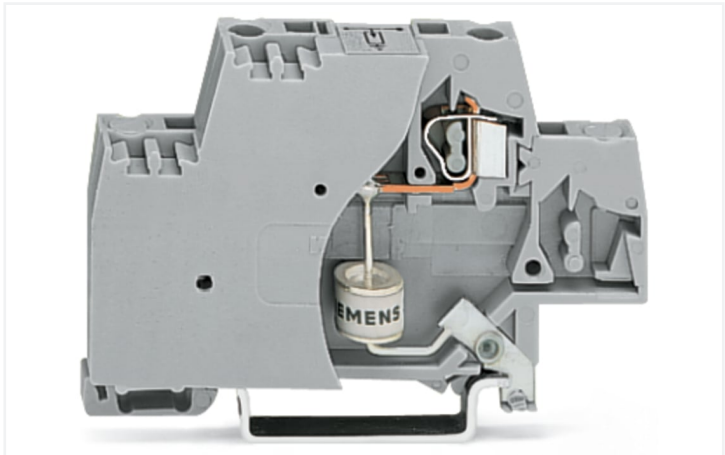
Component terminal block; double-deck; with end plate; with gas-filled surge arrester; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

<https://www.wago.com/280-503/281-581>

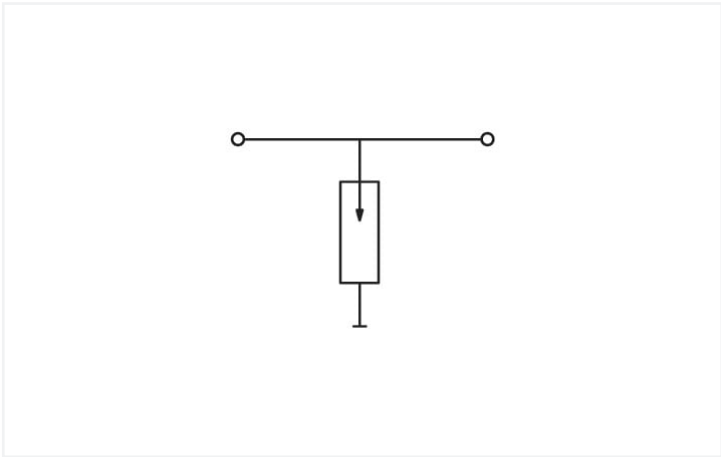


Color: ■ gray

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 gas-filled surge.

**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                  | 230 VAC/VDC       |
| Maximum continuous voltage                 | 450 VAC / 600 VDC |
| Rated continuous current                   | 20 A              |
| Nominal discharge current (8/20 µs) (line) | 5 kA              |
| Protection level (8/20 µs)                 | ≤ 1100 VAC        |
| Capacitance                                | ≤ 2 pF            |



| Connection data         |                                   |
|-------------------------|-----------------------------------|
| 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                             | 12.7 g           |

| Environmental requirements |                |
|----------------------------|----------------|
| Processing temperature     | -35 ... +85 °C |

| 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                  | 4045454194284                    |
| Customs tariff number | 85369010000                      |

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance

280-503/281-581

↓

Documentation

| Bid Text        |            |                 |   |
|-----------------|------------|-----------------|---|
| 280-503/281-581 | 19.02.2019 | xml<br>3.32 KB  | ↓ |
| 280-503/281-581 | 11.02.2015 | doc<br>25.50 KB | ↓ |

CAD/CAE-Data

| CAD data                                                        | CAE data                                                             |
|-----------------------------------------------------------------|----------------------------------------------------------------------|
| <div>2D/3D Models</div> <div>280-503/281-581</div> <div>↓</div> | <div>EPLAN Data Portal</div> <div>280-503/281-581</div> <div>↓</div> |
|                                                                 | <div>WSCAD Universe</div> <div>280-503/281-581</div> <div>↓</div>    |
|                                                                 | <div>ZUKEN Portal</div> <div>280-503/281-581</div> <div>↓</div>      |

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