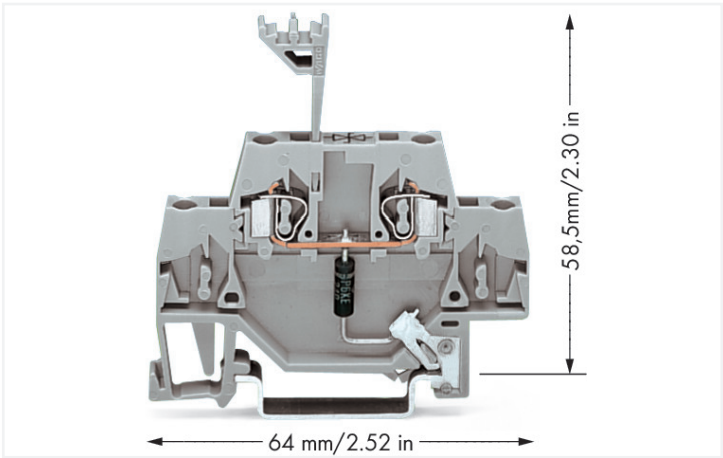
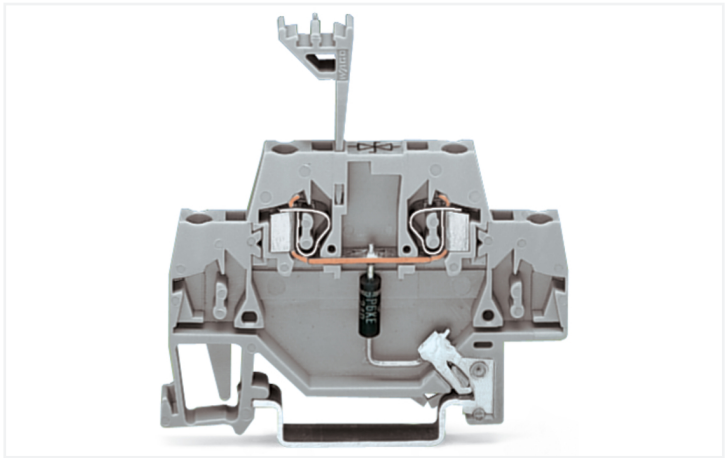


**Data Sheet | Item Number: 280-502/281-604**  
Component terminal block; double-deck; with direct connection to DIN rail; with P6KE91C TVS diode; 60 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray  
<https://www.wago.com/280-502/281-604>

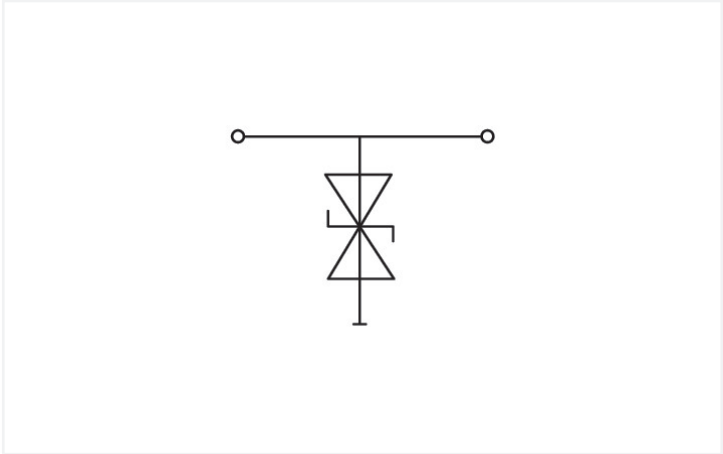


Color: ■ gray

Similar to illustration



Similar to illustration



- Short description:**  
WAGO's component terminal block with single-stage surge suppression device and direct connection to DIN-35 rail is equipped with a TVS diode.
- 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                     | 60 VDC    |
| Maximum continuous voltage                    | 77 VDC    |
| Rated continuous current                      | 20 A      |
| Nominal discharge current (10/1000 µs) (line) | 4.8 A     |
| Protection level (10/1000 µs)                 | ≤ 125 VDC |
| Capacitance                                   | ≤ 550 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                             | 5 mm / 0.197 inches    |
| Height                            | 64 mm / 2.52 inches    |
| Depth from upper-edge of DIN-rail | 58.5 mm / 2.303 inches |

| Mechanical data |                                    |
|-----------------|------------------------------------|
| Design          | 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                          | 0.246 MJ         |
| Weight                             | 8.5 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 pcs                           |
| Packaging type        | Box                              |
| Country of origin     | DE                               |
| GTIN                  | 4017332225069                    |
| Customs tariff number | 85369010000                      |

| Environmental Product Compliance |                          |
|----------------------------------|--------------------------|
| RoHS Compliance Status           | Compliant,With Exemption |
| RoHS Exemption                   | 7(a)<br>7(c)-I           |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
280-502/281-604

↓

Documentation

Bid Text

|                 |            |                 |   |
|-----------------|------------|-----------------|---|
| 280-502/281-604 | 19.02.2019 | xml<br>3.28 KB  | ↓ |
| 280-502/281-604 | 11.02.2015 | doc<br>25.00 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
280-502/281-604

↓

CAE data

EPLAN Data Portal  
280-502/281-604

↓

WSCAD Universe  
280-502/281-604

↓

ZUKEN Portal  
280-502/281-604

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



**Item No.: 280-340**  
End and intermediate plate; 2.5 mm thick; gray



**Item No.: 280-341**  
End and intermediate plate; 2.5 mm thick; orange

1.2 Optional Accessories

1.2.1 Insulation stop

1.2.1.1 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

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Continued on next page

1.2.2 Jumper

1.2.2.1 Jumper



**Item No.: 280-490**  
Jumper; 10-way; insulated; gray



**Item No.: 280-482**  
Jumper; 2-way; insulated; gray



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



**Item No.: 280-483**  
Jumper; 3-way; insulated; gray



**Item No.: 280-484**  
Jumper; 4-way; insulated; gray



**Item No.: 280-485**  
Jumper; 5-way; insulated; gray

1.2.3 Marking

1.2.3.1 Marker



**Item No.: 793-502**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-503**  
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-504**  
WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-505**  
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-506**  
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.2.4 Tool

1.2.4.1 Operating tool



**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured