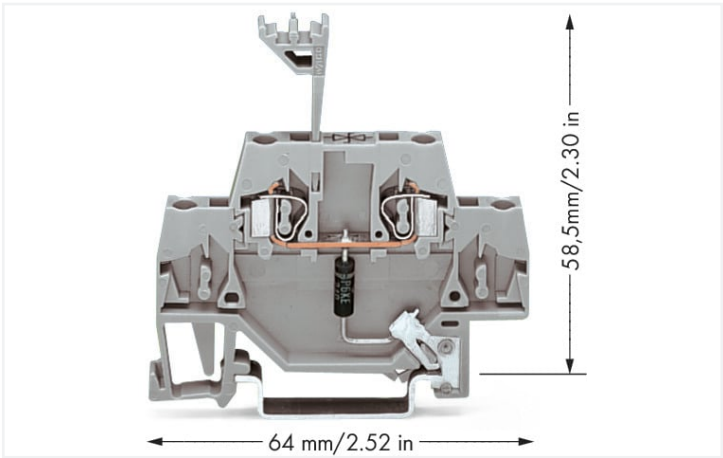
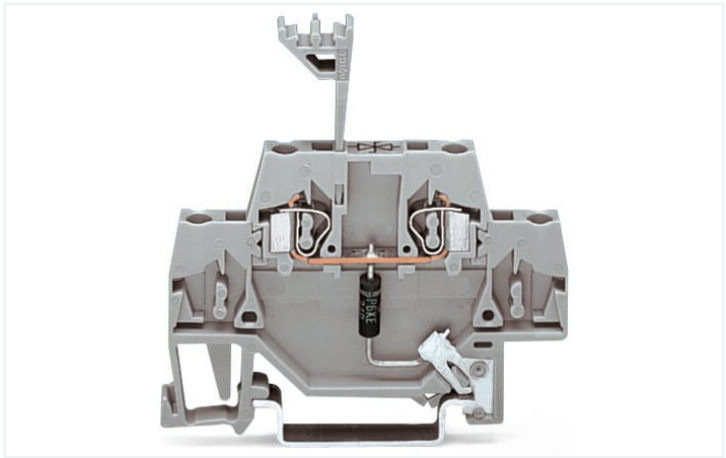


**Data Sheet | Item Number: 280-502/281-605**  
Component terminal block; double-deck; with direct connection to DIN rail; with BZW06-B TVS diode; 110 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray  
<https://www.wago.com/280-502/281-605>

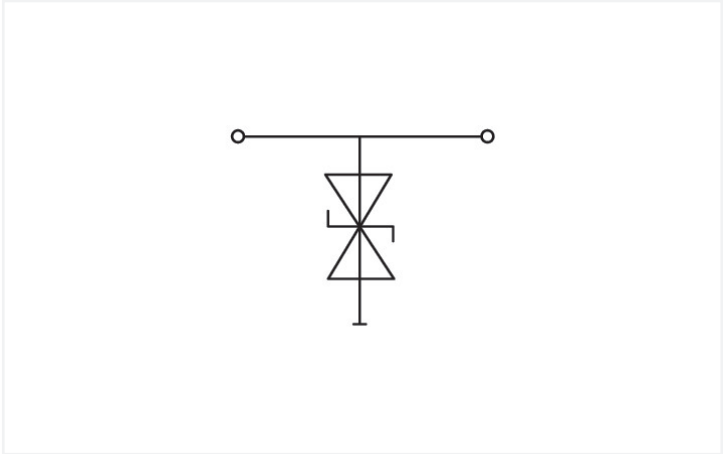


Color: ■ gray

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                     | DC 110 V   |
| Highest continuous voltage                    | DC 136 V   |
| Rated continuous current                      | 20 A       |
| Nominal discharge current (10/1000 µs) (line) | 2.7 A      |
| Protection level (10/1000 µs)                 | ≤ DC 219 V |
| Capacitance                                   | ≤ 400 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 from upper-edge of DIN-rail | 58.5 mm / 2.303 inches |
| Depth                              | 64 mm / 2.52 inches    |

| Mechanical data |                                    |
|-----------------|------------------------------------|
| Design          | with direct connection to DIN-rail |
| Mounting type   | DIN-35 rail                        |

| Material data               |                  |
|-----------------------------|------------------|
| Color                       | gray             |
| Insulation material         | Polyamide (PA66) |
| Material group              | I                |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.246 MJ         |
| Weight                      | 8.1 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 8.0              | EC000903                         |
| ETIM 7.0              | EC000903                         |
| PU (SPU)              | 50 (1) pcs                       |
| Packaging type        | Box                              |
| Country of origin     | DE                               |
| GTIN                  | 4045454585242                    |
| Customs tariff number | 85369010000                      |

| Environmental Product Compliance          |                                                          |
|-------------------------------------------|----------------------------------------------------------|
| CAS-No.                                   | 7439-92-1<br>79-94-7                                     |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<br>Lead |
| RoHS Compliance Status                    | Compliant,No Exemption                                   |
| SCIP notification number (Austria)        | 8c37e490-caa9-4d37-afcf-702be1b86977                     |
| SCIP notification number (Belgium)        | 981777d6-2425-4750-ad47-ecd9cc3fc94a                     |
| SCIP notification number (Bulgaria)       | f6c3b289-a978-4dcf-9190-2277bc6b390e                     |
| SCIP notification number (Czech Republic) | 6c4b3c4b-5089-4949-869c-52cf4dd51e5b                     |
| SCIP notification number (Denmark)        | 85684d61-b463-42e8-9774-fd051dd4e91c                     |
| SCIP notification number (Finland)        | f154265c-33b1-437c-b211-a6a76c0b1bcb                     |
| SCIP notification number (France)         | a0a1b4fe-819c-47a3-aebf-190ca48ef52c                     |



| Environmental Product Compliance       |                                      |
|----------------------------------------|--------------------------------------|
| SCIP notification number (Germany)     | 89fcf099-f62c-435d-b984-4c93f0830334 |
| SCIP notification number (Hungary)     | 21dd9e74-cf1a-4798-9e99-e4596169be22 |
| SCIP notification number (Italy)       | 2d8f6a50-6a7f-4d1c-a6ba-bb743ff8d9ad |
| SCIP notification number (Netherlands) | 9a9e5d02-aa94-4b75-824b-7885dff59205 |
| SCIP notification number (Poland)      | 4f98c7f3-89fa-45c6-a8ec-5108a85b156e |
| SCIP notification number (Romania)     | 469f5381-d900-4e04-a792-1e27f2c63093 |
| SCIP notification number (Sweden)      | 75825f23-ce0d-4c10-aa03-a1548a962b19 |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
280-502/281-605

↓

| Documentation   |            |     |          |   |
|-----------------|------------|-----|----------|---|
| Bid Text        |            |     |          |   |
| 280-502/281-605 | 19.02.2019 | xml | 3.28 KB  | ↓ |
| 280-502/281-605 | 11.02.2015 | doc | 25.00 KB | ↓ |

| CAD/CAE-Data                                                                 |                                                                                                                                                                                                       |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>CAD data</div> <div>2D/3D Models<br/>280-502/281-605</div> <div>↓</div> | <div>CAE data</div> <div>EPLAN Data Portal<br/>280-502/281-605</div> <div>↓</div> <div>WSCAD Universe<br/>280-502/281-605</div> <div>↓</div> <div>ZUKEN Portal<br/>280-502/281-605</div> <div>↓</div> |

| 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

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