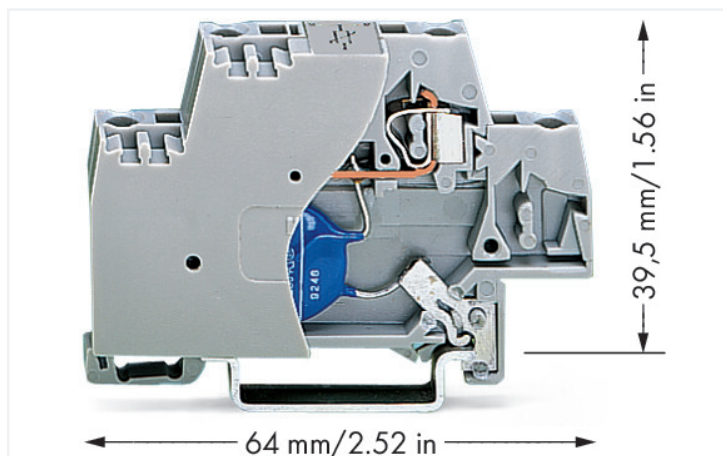


## Data Sheet | Item Number: 280-502/281-585

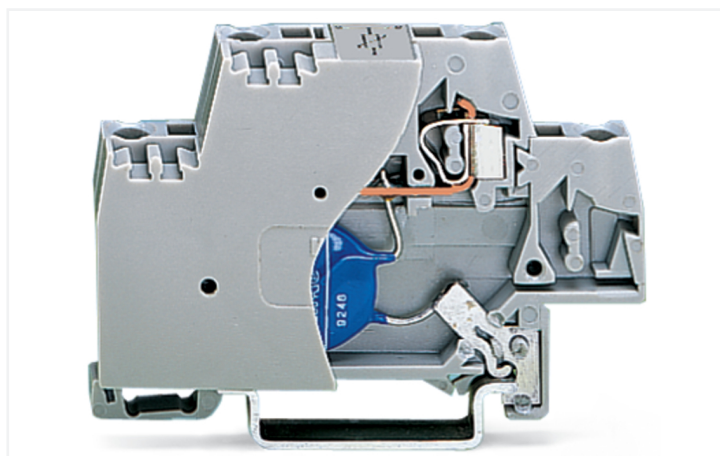
Component terminal block; double-deck; with end plate; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; gray

<https://www.wago.com/280-502/281-585>

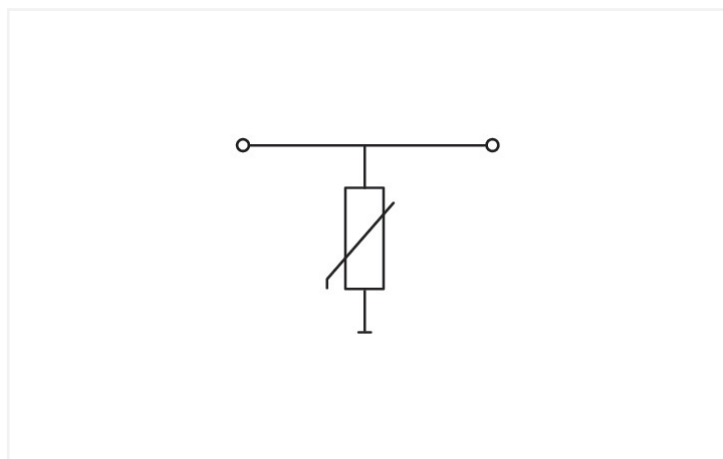


Color: ■ gray

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

### Notes

#### Safety Information

- Installation must be carried out by qualified personnel only.
- The DIN-rail must be grounded.
- The input current must be protected by a suitable fuse.
- Protection against contact with stored charges must be ensured.
- Do not plug in/unplug pluggable modules when energized.
- The IP20 protection type must be maintained in the assembled state or when using an end/intermediate plate that matches the rail-mount terminal block.



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 EN 60512-5-2	

Commercial data		
Product Group	1 (Rail Mounted Terminal Blocks)	
PU (SPU)	50 (1) pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4050821301066	
Customs tariff number	85369010000	

Product classification		
UNSPSC	39121410	
eCl@ss 10.0	27-14-11-27	
eCl@ss 9.0	27-14-11-27	
ETIM 9.0	EC000903	
ETIM 8.0	EC000903	
ECCN	NO US CLASSIFICATION	

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- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity 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 3.39 KB	
280-502/281-585	11.02.2015	doc 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