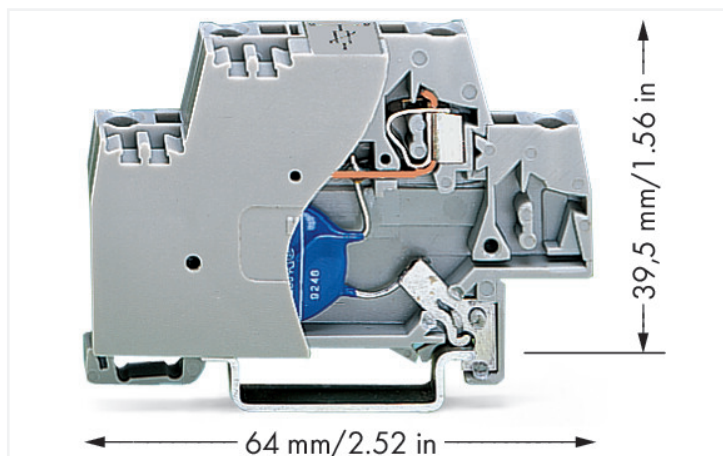


Data Sheet | Item Number: 280-502/281-582

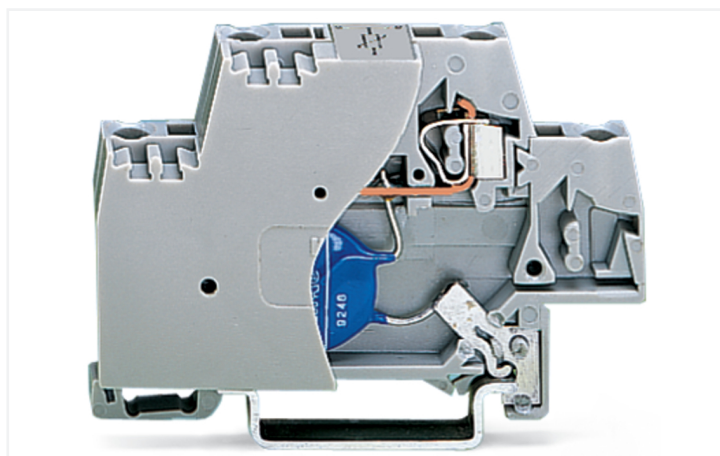
Component terminal block; double-deck; with end plate; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; gray

<https://www.wago.com/280-502/281-582>

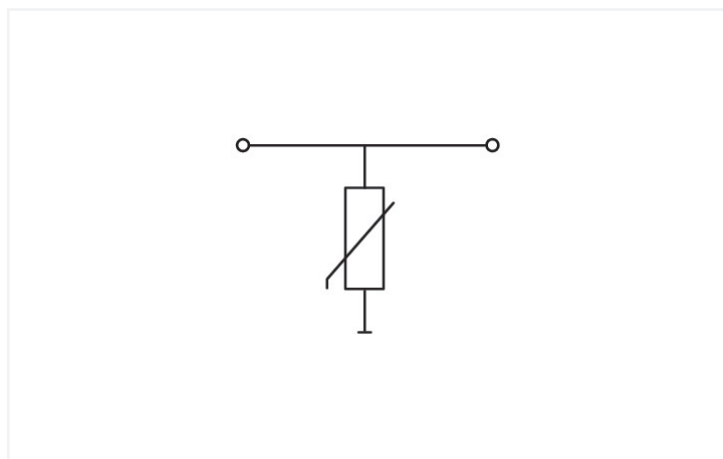


Color: ■ gray

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		24 VDC
Maximum continuous voltage		31 VDC
Rated continuous current		20 A
Nominal discharge current (8/20 µs) (line)		300 A
Discharge current (max.)		1 kA
Protection level (8/20 µs)		≤ 77 VDC
Capacitance		≤ 4.6 nF

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		0.364 MJ
Weight		12.8 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	4045454308018	
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 280-502/281-582	



Documentation

Bid Text			
280-502/281-582	19.02.2019	xml 3.38 KB	
280-502/281-582	11.02.2015	doc 26.00 KB	

CAD/CAE-Data

CAD data
2D/3D Models 280-502/281-582



CAE data
EPLAN Data Portal 280-502/281-582
WSCAD Universe 280-502/281-582
ZUKEN Portal 280-502/281-582



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