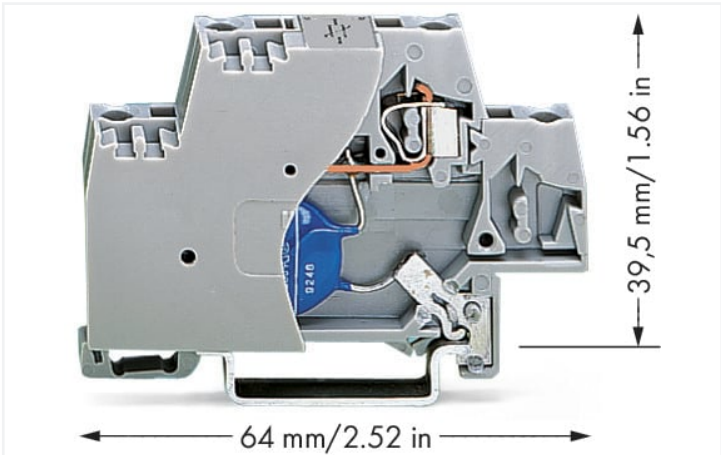


Data Sheet | Item Number: 280-502/281-588

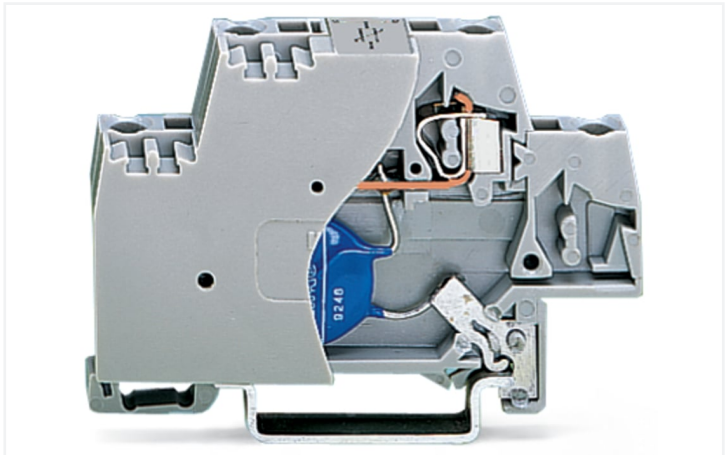
Component terminal block; double-deck; with end plate; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

<https://www.wago.com/280-502/281-588>

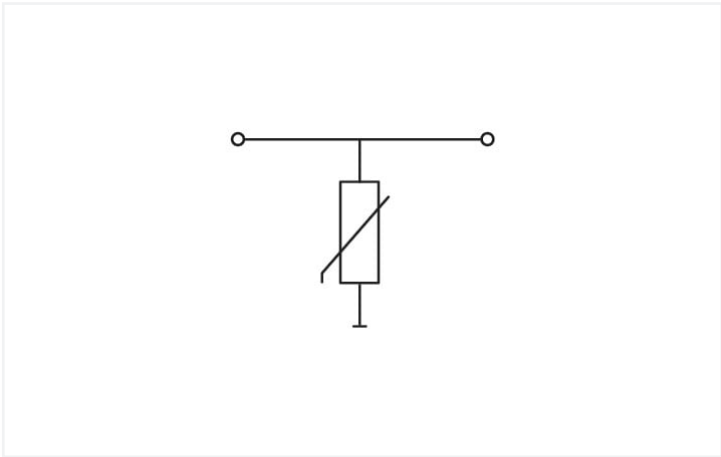


Color: ■ gray

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

Electrical data	
Nominal operating voltage	230 VAC
Maximum continuous voltage	275 VAC
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)	≤ 710 VAC
Capacitance	≤ 320 pF

Safety and protection

Protection type	IP20
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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	13.1 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
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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	4045454368401
Customs tariff number	85369010000



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	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance
280-502/281-588

↓

Documentation			
Bid Text			
280-502/281-588	19.02.2019	xml 3.39 KB	↓
280-502/281-588	11.02.2015	doc 26.00 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
280-502/281-588

↓

CAE data

EPLAN Data Portal
280-502/281-588

↓

WSCAD Universe
280-502/281-588

↓

ZUKEN Portal
280-502/281-588

↓

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