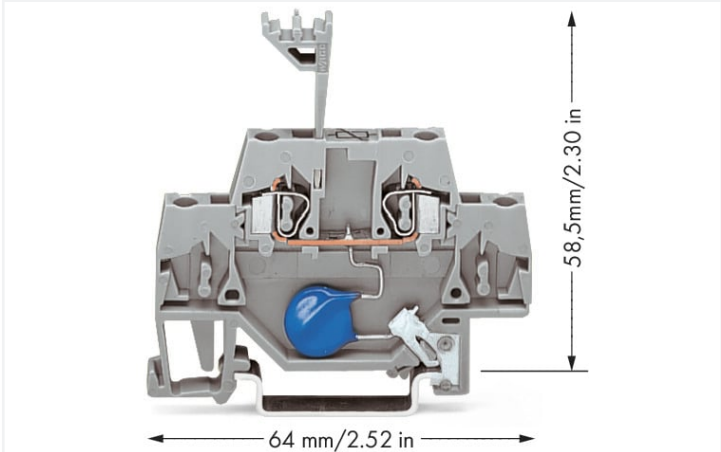# Data Sheet | Item Number: 280-502/281-610
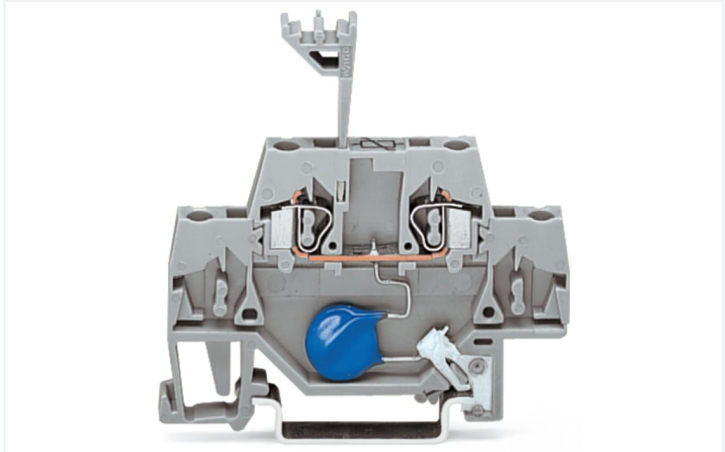
Component terminal block; double-deck; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray
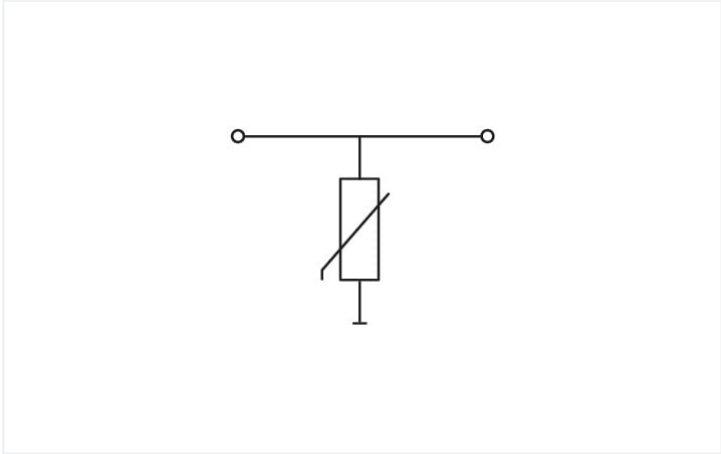
https://www.wago.com/280-502/281-610

WAGO

58,5mm/2.30 in

64 mm/2.52 in

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 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	48 VDC
Maximum continuous voltage	65 VDC
Rated continuous current	20 A
Nominal discharge current (8/20 µs) (line)	300 A
Discharge current (max.)	1.2 kA
Protection level (8/20 µs)	≤ 135 VDC
Capacitance	≤ 500 pF

Safety and protection

Protection type	IP00

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	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

Ambient temperature (operation)	-25 … +70 ℃
Processing temperature	-35 … +85 ℃
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)
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	4050821861171
Customs tariff number	85369010000

WAGO

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 Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 280-502/281-610	↓

Documentation

Bid Text

280-502/281-610	19.02.2019	xml 3.35 KB	↓
280-502/281-610	11.02.2015	doc 25.50 KB	↓

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 280-502/281-610	↓	EPLAN Data Portal 280-502/281-610	↓
		WSCAD Universe 280-502/281-610	↓
		ZUKEN Portal 280-502/281-610	↓

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