Data Sheet | Item Number: 280-504/281-582

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/280-504/281-582
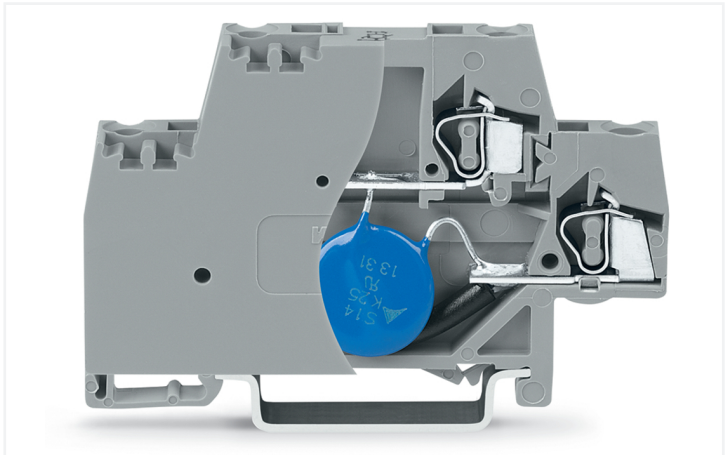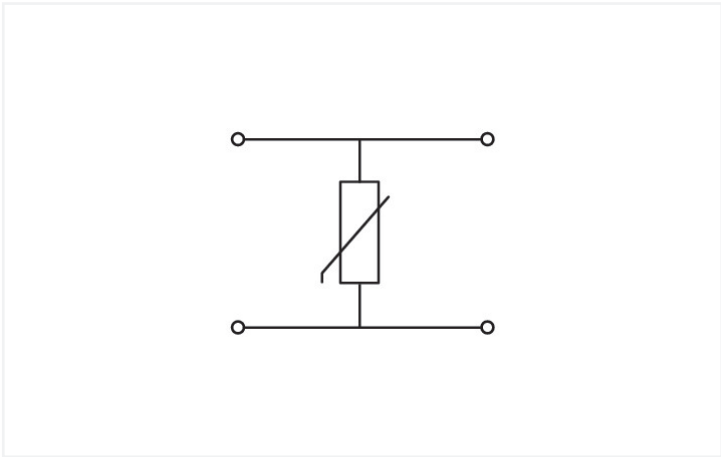

39,5 mm/1.55 in

64 mm/2.52 in

Color: ■ gray

Similar to illustration

Similar to illustration

Short description:

This component terminal block with surge suppression device and end plate 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.

Version 16.04.2025

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)	4
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
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	1.43 MJ
Weight	15.5 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)
PU (SPU)	50 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821070276
Customs tariff number	85369010000

Product classification

UNSPSC	39121613

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	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 280-504/281-582	↓

Documentation

Bid Text

280-504/281-582	19.02.2019	xml 3.25 KB	↓
280-504/281-582	11.02.2015	doc 25.50 KB	↓

WAGO

CAD/CAE-Data

CAD data

2D/3D Models 280-504/281-582	↓

CAE data

EPLAN Data Portal 280-504/281-582	↓
WSCAD Universe 280-504/281-582	↓
ZUKEN Portal 280-504/281-582	↓

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

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at:: www.wago.com