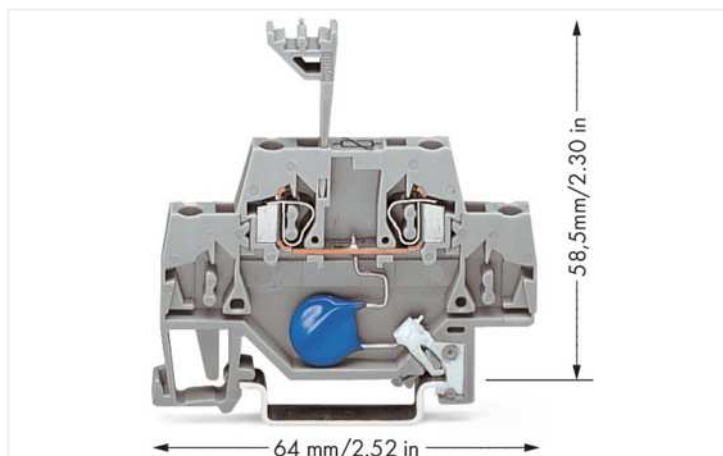


## Data Sheet | Item Number: 280-502/281-612

Component terminal block; double-deck; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

<https://www.wago.com/280-502/281-612>

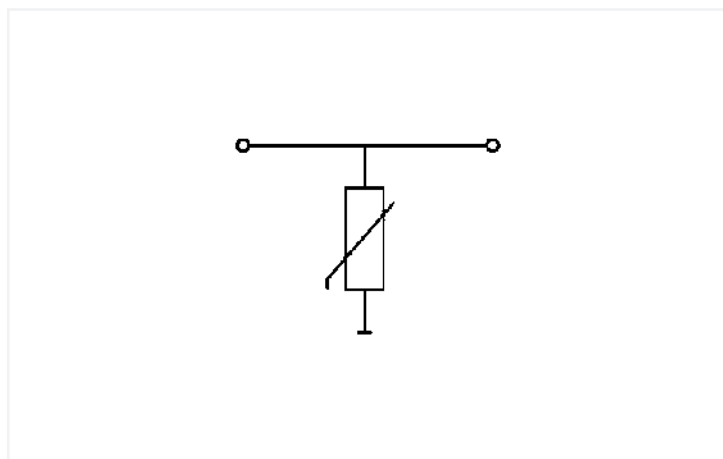


Color: ■ gray

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	DC 110 V
Highest continuous voltage	DC 150 V
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)	≤ DC 300 V
Capacitance	≤ 220 pF

### Connection data

Connections (number)	2
Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

### Physical data

Width	5 mm / 0.197 inches
Height from upper-edge of DIN-rail	58.5 mm / 2.303 inches
Depth	64 mm / 2.52 inches

### Mechanical data

Design	with direct connection to DIN-rail
Mounting type	DIN-35 rail

### Material data

Color	gray
Insulation material	Polyamide (PA66)
Material group	I
Flammability class per UL94	V0
Fire load	0.246 MJ
Weight	8.7 g

### Environmental requirements

Processing temperature	-35 ... +85 °C
------------------------	----------------

### 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 8.0	EC000903
ETIM 7.0	EC000903
PU (SPU)	50 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4017332222365
Customs tariff number	85369010000

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

### Downloads

### Documentation

Bid Text			
280-502/281-612	19.02.2019	xml 3.35 KB	<a href="#">↓</a>
280-502/281-612	11.02.2015	doc 25.50 KB	<a href="#">↓</a>

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 280-502/281-612	<a href="#">↓</a>	EPLAN Data Portal 280-502/281-612	<a href="#">↓</a>
		WSCAD Universe 280-502/281-612	<a href="#">↓</a>
		ZUKEN Portal 280-502/281-612	<a href="#">↓</a>

<b>1 Compatible Products</b>
<b>1.1 Required Accessories</b>
<b>1.1.1 End plate</b>
<b>1.1.1.1 End plate</b>



[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