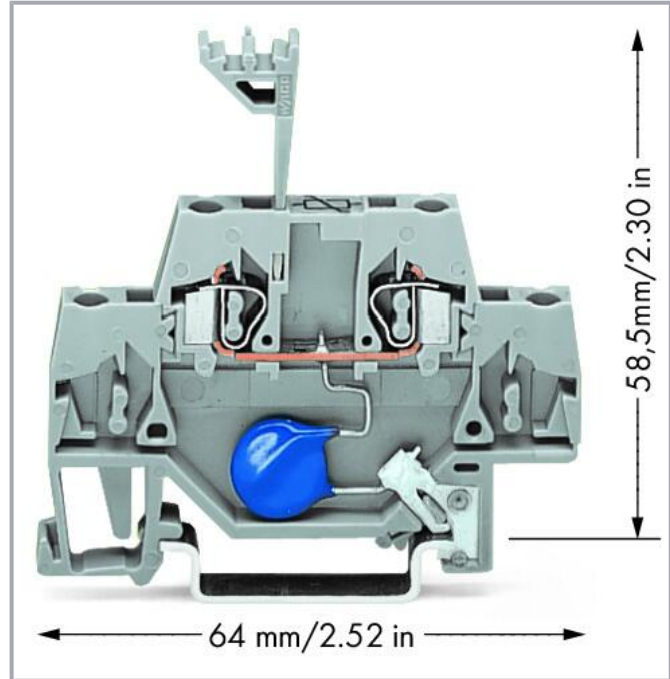
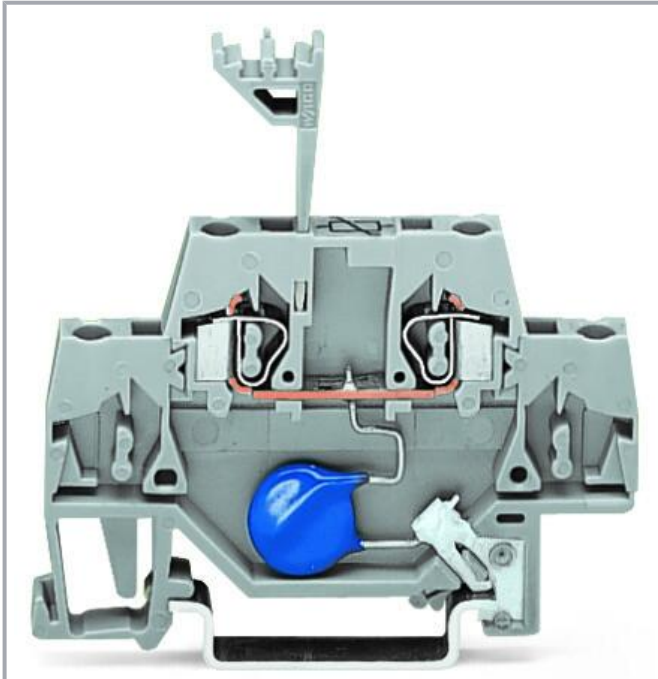


Data sheet | Item number: 280-502/281-612

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

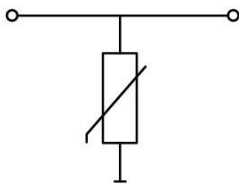


[www.wago.com/280-502/281-612](http://www.wago.com/280-502/281-612)



**i** Picture differs from the item.

Color:



## Item description

### 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:

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

WAGO GmbH & Co. KG  
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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



- Protect your system against overvoltage
- Slim, space-saving design
- Control operational costs by preventing expensive, unplanned downtime
- High operational reliability and system uptime

## Data

### 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

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

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
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### Required accessories

#### End plate

End plate		
	Item no.: 280-341 End and intermediate plate; 2.5 mm thick; orange	<a href="http://www.wago.com/280-341">www.wago.com/280-341</a>
	Item no.: 280-340 End and intermediate plate; 2.5 mm thick; gray	<a href="http://www.wago.com/280-340">www.wago.com/280-340</a>

### Optional accessories

#### Insulation stop

Insulation stop		
	Item no.: 280-472 Insulation stop; 0.75 - 1 mm <sup>2</sup> ; 5 pieces/strip; black	<a href="http://www.wago.com/280-472">www.wago.com/280-472</a>

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



**Item no.: 280-470**  
Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white

[www.wago.com/280-470](http://www.wago.com/280-470)



**Item no.: 280-471**  
Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray

[www.wago.com/280-471](http://www.wago.com/280-471)

### Marking accessories

Marker



**Item no.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115](http://www.wago.com/2009-115)



**Item no.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/793-501](http://www.wago.com/793-501)



**Item no.: 793-502**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

[www.wago.com/793-502](http://www.wago.com/793-502)



**Item no.: 793-503**  
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white

[www.wago.com/793-503](http://www.wago.com/793-503)



**Item no.: 793-504**  
WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

[www.wago.com/793-504](http://www.wago.com/793-504)



**Item no.: 793-505**  
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white

[www.wago.com/793-505](http://www.wago.com/793-505)



**Item no.: 793-506**  
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white

[www.wago.com/793-506](http://www.wago.com/793-506)

### Jumpers

Jumper



**Item no.: 280-492**  
Jumper; 2-way; insulated; gray

[www.wago.com/280-492](http://www.wago.com/280-492)



**Item no.: 280-482**  
Jumper; 2-way; insulated; gray

[www.wago.com/280-482](http://www.wago.com/280-482)



**Item no.: 280-484**  
Jumper; 4-way; insulated; gray

[www.wago.com/280-484](http://www.wago.com/280-484)



**Item no.: 280-490**  
Jumper; 10-way; insulated; gray

[www.wago.com/280-490](http://www.wago.com/280-490)



**Item no.: 280-485**  
Jumper; 5-way; insulated; gray

[www.wago.com/280-485](http://www.wago.com/280-485)



**Item no.: 280-483**

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

Jumper; 3-way; insulated; gray

[www.wago.com/280-483](http://www.wago.com/280-483)

**Tool**

Operating tool



Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-720](http://www.wago.com/210-720)

**Downloads**

**Documentation**

**Bid Text**

280-502/281-612 X81 - Datei	2019 Feb 19	xml 3.4 kB	Download
280-502/281-612 doc - Datei	2015 Feb 11	doc 26.1 kB	Download

**Additional Information**

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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**CAD/CAE-Data**

**CAE data**

EPLAN Data Portal 280-502/281-612	URL	Download
WSCAD Universe 280-502/281-612	URL	Download
ZUKEN Portal 280-502/281-612	URL	Download
WSCAD Universe 280-502/281-612	URL	Download
EPLAN Data Portal 280-502/281-612	URL	Download

**CAD data**

2D/3D Models 280-502/281-612	URL	Download
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Subject to changes. Please also observe the further product documentation!

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 280-502/281-612

URL

Download

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

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## Installation Notes

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