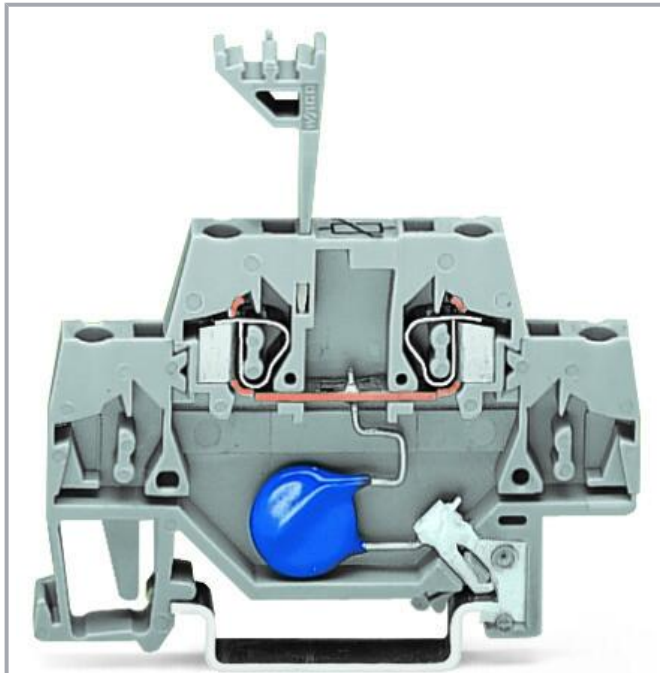


Data sheet | Item number: 280-502/281-609

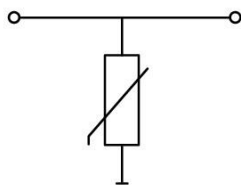
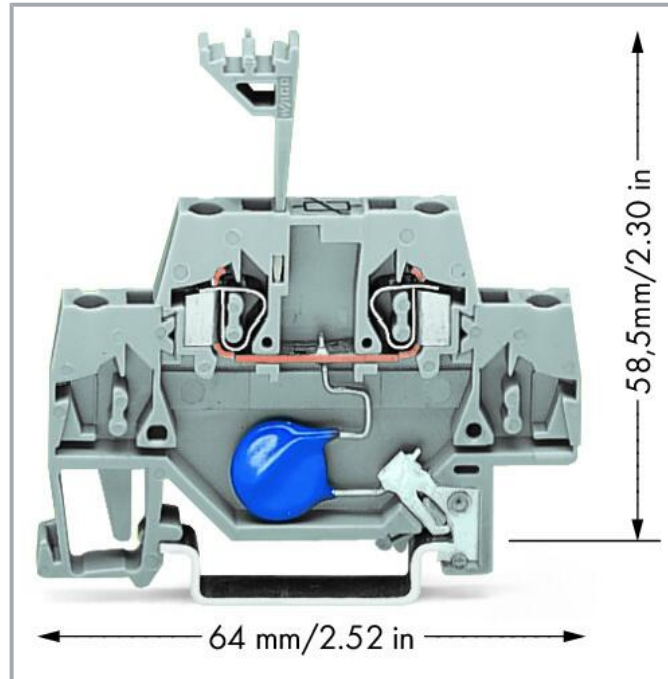
Component terminal block; double-deck; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/280-502/281-609



 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!

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32423 Minden
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- 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 24 V
Highest continuous voltage	DC 31 V
Rated continuous current	20 A
Nominal discharge current (8/20 µs) (line)	60 A
Discharge current (max.)	0.25 kA
Protection level (8/20 µs)	≤ DC 77 V
Capacitance	≤ 1.25 nF

Connection data

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 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	0.254 MJ
Weight	8.4 g

Environmental requirements

Processing temperature	-35 ... +85 °C
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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 8.0	EC000903
ETIM 7.0	EC000903
ECCN	NO DATA
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454308056
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Required accessories

End plate

End plate	
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Item no.: 280-341

End and intermediate plate; 2.5 mm thick; orange

www.wago.com/280-341

Item no.: 280-340

End and intermediate plate; 2.5 mm thick; gray

www.wago.com/280-340

Optional accessories

Insulation stop

Insulation stop	
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Item no.: 280-472

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; blackwww.wago.com/280-472

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

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**Item no.: 280-470**

Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

www.wago.com/280-470**Item no.: 280-471**

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

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**Item no.: 793-501**

WMB marking card; as card; not stretchable; plain; snap-on type; white

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**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**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**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**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**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**Jumpers****Jumper****Item no.: 280-492**

Jumper; 2-way; insulated; gray

www.wago.com/280-492**Item no.: 280-482**

Jumper; 2-way; insulated; gray

www.wago.com/280-482**Item no.: 280-484**

Jumper; 4-way; insulated; gray

www.wago.com/280-484

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

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

www.wago.com/280-490



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

www.wago.com/280-485



Item no.: 280-483
Jumper; 3-way; insulated; gray

www.wago.com/280-483

Downloads

Documentation

Bid Text

280-502/281-609 X81 - Datei	2019 年2月19 日	xml 3.4 kB	Download
280-502/281-609 doc - Datei	2015 年2月11 日	doc 26.1 kB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 280-502/281-609	URL	Download
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CAE data

EPLAN Data Portal 280-502/281-609	URL	Download
WSCAD Universe 280-502/281-609	URL	Download
ZUKEN Portal 280-502/281-609	URL	Download
WSCAD Universe 280-502/281-609	URL	Download
EPLAN Data Portal 280-502/281-609	URL	Download

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Asset Administration Shell

Asset Administration Shell 280-502/281-609	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 280-502/281-609	URL	Download
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		

Installation Notes

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