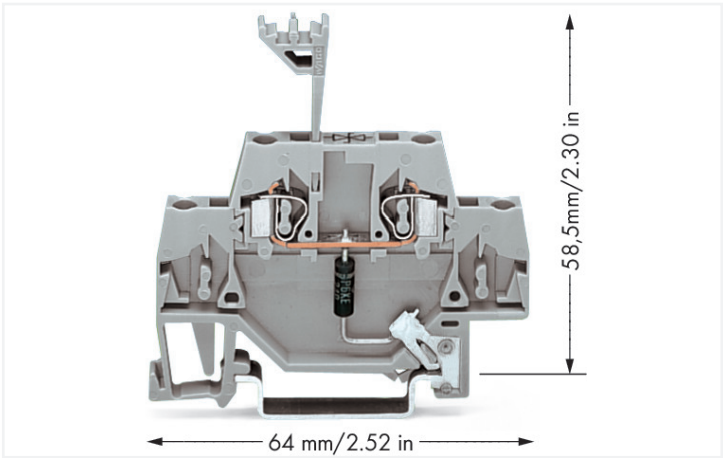


Data Sheet | Item Number: 280-502/281-608

Component terminal block; double-deck; with direct connection to DIN rail; with P6KE400CA TVS diode; 230 VAC; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; gray

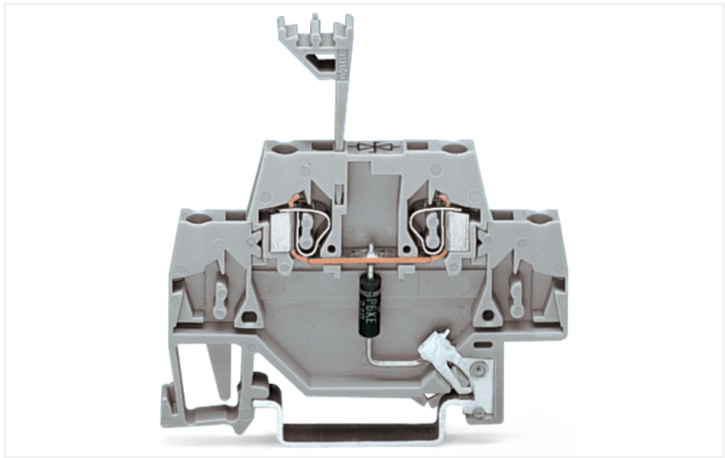


<https://www.wago.com/280-502/281-608>

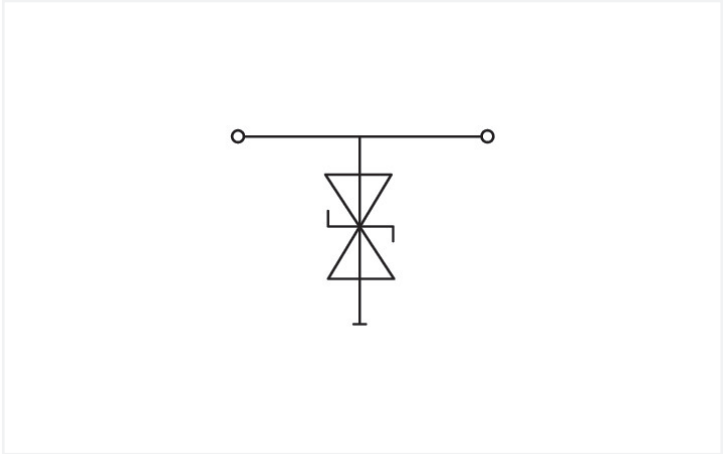


Color: ■ gray

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 TVS diode.

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 performed 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 insert or remove pluggable modules when energized. - The IP20 protection rating must be maintained in the assembled state or when using an end/intermediate plate compatible with the rail-mount terminal block.



Electrical data		
Nominal operating voltage		230 VAC
Maximum continuous voltage		253 VAC
Rated continuous current		20 A
Nominal discharge current (10/1000 µs) (line)		1.1 A
Protection level (10/1000 µs)		≤ 548 VAC
Capacitance		≤ 360 pF

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		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		0.173 MJ
Weight		8.3 g

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

Commercial data		
Product Group		1 (Rail Mounted Terminal Blocks)
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		DE
GTIN		4045454604844
Customs tariff number		85369010000



Product Classification		
UNSPSC		39121410
eCl@ss 10.0		27-14-11-27
eCl@ss 9.0		27-14-11-27
ETIM 9.0		EC000903
ETIM 8.0		EC000903
ECCN		NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a)

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 280-502/281-608	

Documentation				
Bid Text				
280-502/281-608	19.02.2019	xml 3.28 KB		
280-502/281-608	11.02.2015	doc 25.50 KB		

CAD/CAE-Data		
CAD data	CAE data	
2D/3D Models 280-502/281-608	EPLAN Data Portal 280-502/281-608	
	WSCAD Universe 280-502/281-608	
	ZUKEN Portal 280-502/281-608	



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