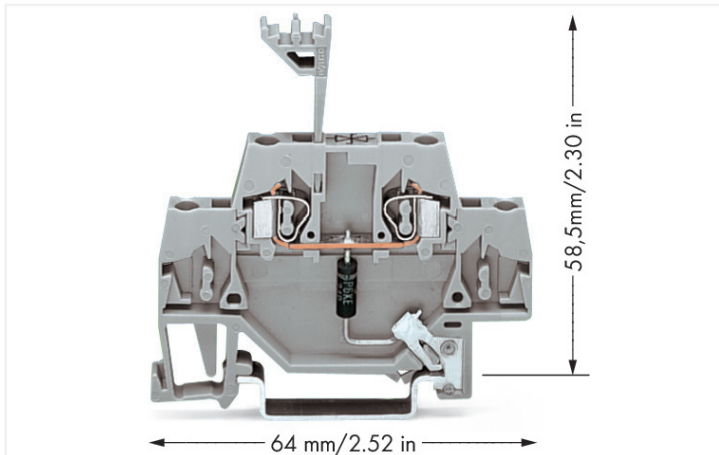


Data Sheet | Item Number: 280-502/281-605

Component terminal block; double-deck; with direct connection to DIN rail; with BZW06-B TVS diode; 110 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; gray

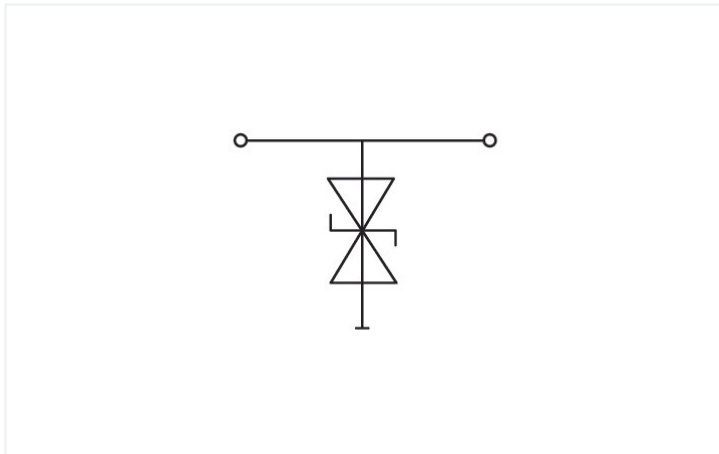
<https://www.wago.com/280-502/281-605>



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	110 VDC
Maximum continuous voltage	136 VDC
Rated continuous current	20 A
Nominal discharge current (10/1000 µs) (line)	2.7 A
Protection level (10/1000 µs)	≤ 219 VDC
Capacitance	≤ 400 pF

Connection Data

Connections (number)	2
Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 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	0.165 MJ
Weight	8.1 g

Environmental requirements

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

Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	50 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454585242
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 10.0	EC000903
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	8c37e490-caa9-4d37-afcf-702be1b86977
SCIP notification number (Belgium)	981777d6-2425-4750-ad47-ecd9cc3fc94a
SCIP notification number (Bulgaria)	f6c3b289-a978-4dcf-9190-2277bc6b390e
SCIP notification number (Czech Republic)	6c4b3c4b-5089-4949-869c-52cf4dd51e5b
SCIP notification number (Denmark)	85684d61-b463-42e8-9774-fd051dd4e91c
SCIP notification number (Finland)	f154265c-33b1-437c-b211-a6a76c0b1bcb
SCIP notification number (France)	a0a1b4fe-819c-47a3-aebf-190ca48ef52c
SCIP notification number (Germany)	89fcf099-f62c-435d-b984-4c93f0830334
SCIP notification number (Hungary)	21dd9e74-cf1a-4798-9e99-e4596169be22
SCIP notification number (Italy)	2d8f6a50-6a7f-4d1c-a6ba-bb743ff8d9ad
SCIP notification number (Netherlands)	9a9e5d02-aa94-4b75-824b-7885dff59205
SCIP notification number (Poland)	4f98c7f3-89fa-45c6-a8ec-5108a85b156e
SCIP notification number (Romania)	469f5381-d900-4e04-a792-1e27f2c63093
SCIP notification number (Sweden)	75825f23-ce0d-4c10-aa03-a1548a962b19

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 280-502/281-605	↓

Documentation

Bid Text			
280-502/281-605	19.02.2019	xml 3.28 KB	↓
280-502/281-605	11.02.2015	doc 25.00 KB	↓

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 280-502/281-605	EPLAN Data Portal 280-502/281-605
	WSCAD Universe 280-502/281-605
	ZUKEN Portal 280-502/281-605

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 mark-
ing; snap-on type; white



Item No.: 793-504

WMB marking card; as card; MARKED; 21 ...
30 (10x); not stretchable; Horizontal mark-
ing; 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