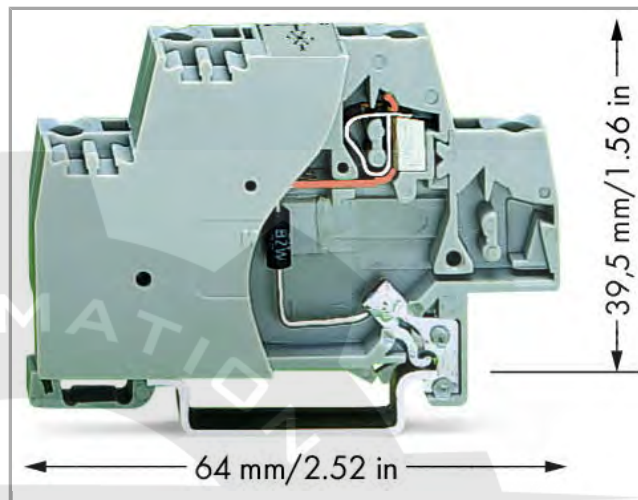
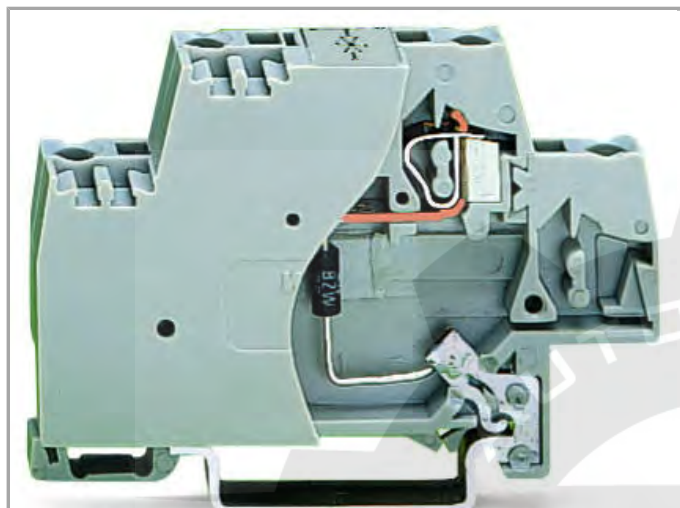


Data sheet | Item number: 280-502/281-589

Component terminal block; double-deck; with end plate and direct connection to DIN-rail; with 1.5KE33C TVS diode; 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®



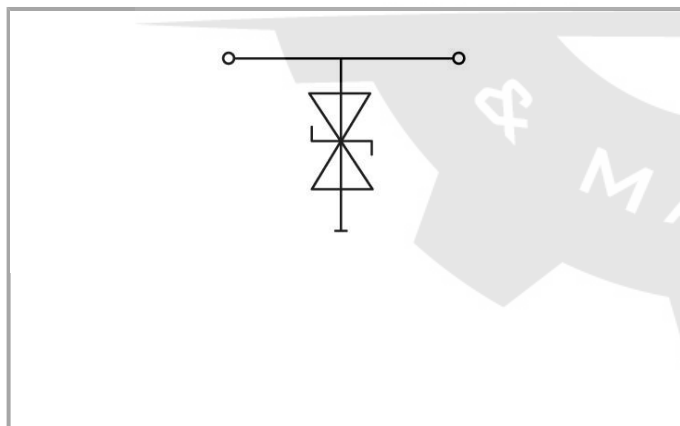
280-502/281-589



RoHS
Compliant ✓

BOMcheck.net

Color: ■



Item description

Short description:

Terminal blocks with surge suppression device and direct connection to the DIN-35 rail; these single-stage surge suppression devices are equipped either with 280 Series gas-filled surge arrester (coarse), varistor (medium) or suppressor diode (fine).

Features:

- 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
Maximum continuous operating voltage	DC 28 V
Rated continuous current	20 A
Nominal discharge current (8/20 µs) per line	169 A
Voltage protection level (8/20 µs)	≤ DC 59 V
Response time line/line	≤
Capacitance	≤ 2.7 nF

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 inch

Geometrical Data

Width	10 mm / 0.394 inch
Height from upper-edge of DIN-35 rail	39.5 mm / 1.555 inch
Depth	64 mm / 2.52 inch

Mechanical data

Design	With end plate; with direct connection to DIN rail
Type of mounting	DIN-35 rail

Material Data

Color	gray
Fire load	0.274 MJ
Weight	11.9 g

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
Country of origin	DE
GTIN	4045454362676

Customs Tariff No.

85369010000

Compatible products

End plate



Item no.: 280-340
End and intermediate plate; 2.5 mm thick

280-340



Item no.: 280-341
End and intermediate plate; 2.5 mm thick

280-341

Insulation stop



Item no.: 280-470
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip

280-470



Item no.: 280-471
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip

280-471



Item no.: 280-472
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip

280-472

tools



Item no.: 210-720
Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

Jumper



Item no.: 280-482
Comb-style jumper bar; insulated; 2-way; IN = IN terminal block

280-482



Item no.: 280-483
Comb-style jumper bar; insulated; 3-way; IN = IN terminal block

280-483



Item no.: 280-484
Comb-style jumper bar; insulated; 4-way; IN = IN terminal block

280-484



Item no.: 280-485
Comb-style jumper bar; insulated; 5-way; IN = IN terminal block

280-485



Item no.: 280-490
Comb-style jumper bar; insulated; 10-way; IN = IN terminal block

280-490



Item no.: 280-492
Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block

280-492

Marking accessories



Item no.: 2009-145
Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145



Item no.: 2009-145/000-002
Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145

1000-002

	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-005	2009-145
	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-006	2009-145
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-007	2009-145
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-012	2009-145
	Item no.: 2009-145/000-023 Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-023	2009-145
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-024	2009-145
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card		248-501
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-002	248-501
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-005	248-501
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-006	248-501
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-007	248-501
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-012	248-501
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-017	248-501
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-023	248-501
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-024	248-501



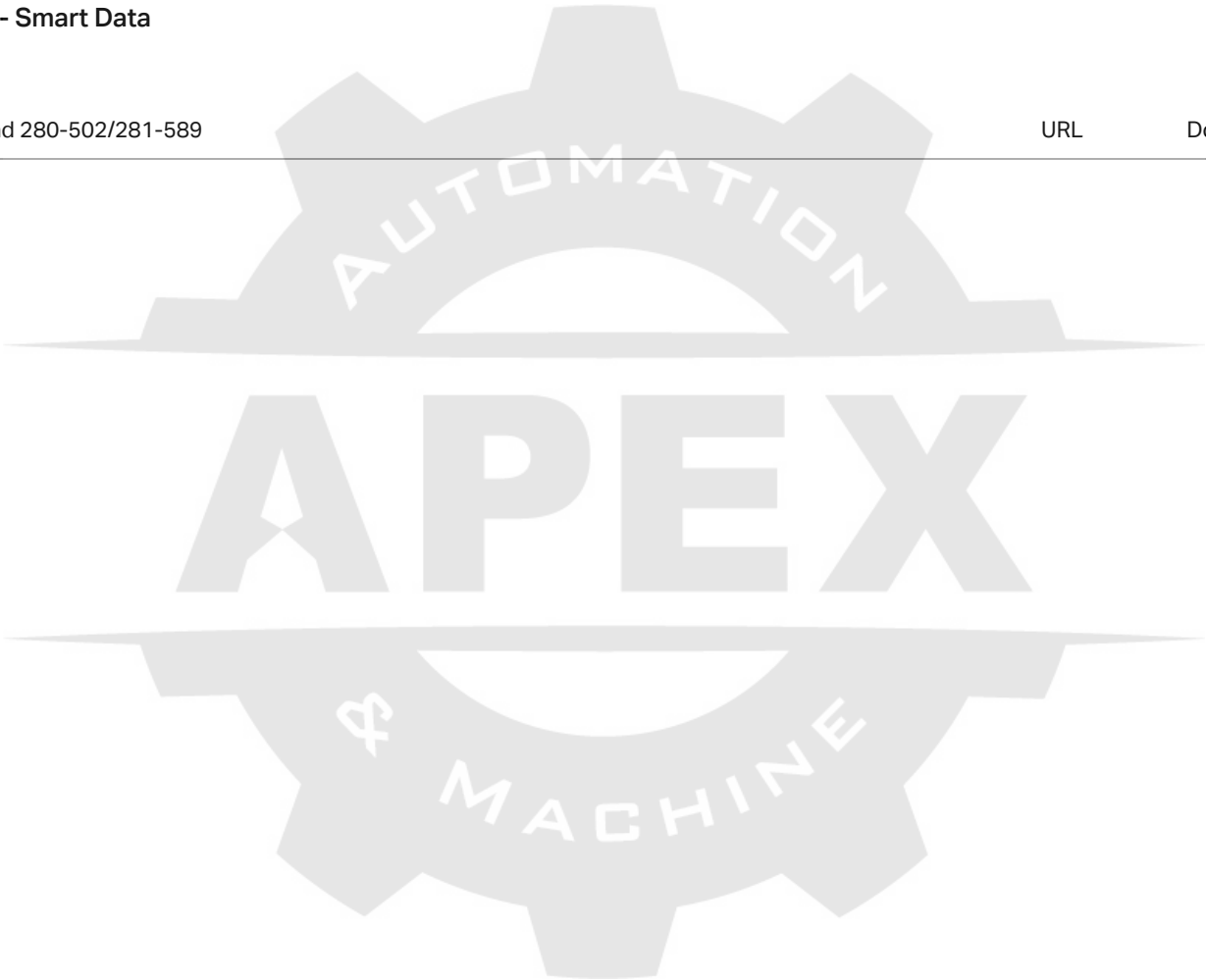
Downloads
Documentation
Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE - Smart Data

CAD data

3D Download 280-502/281-589	URL	Download
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Subject to changes.