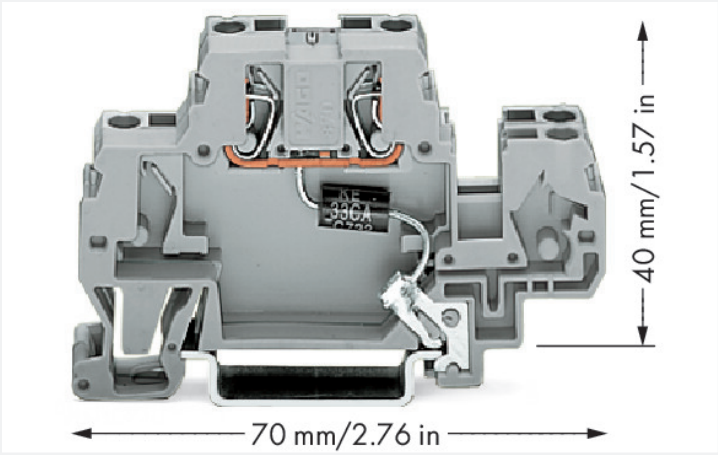
Data Sheet | Item Number: 870-523/281-590

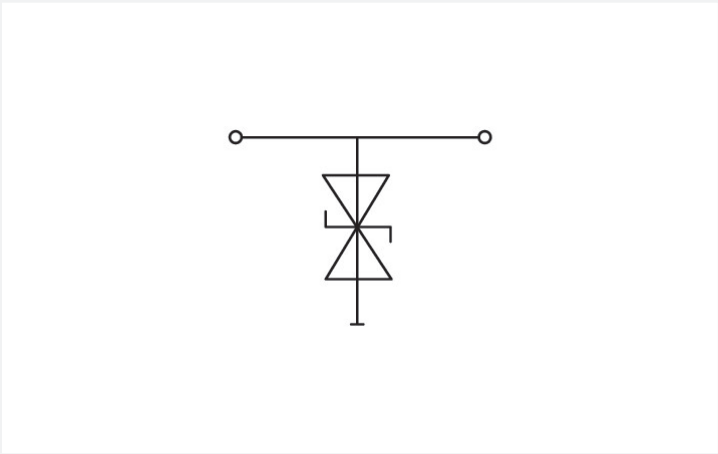
Component terminal block; double-deck; with suppressor diode; 48 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; gray

https://www.wago.com/870-523/281-590



Color: gray

Similar to illustration



Similar to illustration

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	48 VDC
Maximum continuous voltage	53 VDC
Rated continuous current	20 A
Nominal discharge current (8/20 µs) (line)	90 A
Protection level (8/20 µs)	≤ 111 VDC
Capacitance	≤ 1.7 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 … 4 mm² / 28 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.08 … 1.5 mm² / 28 … 14 AWG
Strip length	6 … 7 mm / 0.24 … 0.28 inches

Physical data

Width	10 mm / 0.394 inches
Height	70 mm / 2.756 inches
Depth from upper-edge of DIN-rail	40 mm / 1.575 inches

Mechanical data

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	0.273 MJ
Weight	11.7 g

Environmental requirements

Processing temperature	-35 … +85 °C

Commercial data

Product Group	16 (Rail Mounted Terminal Blocks with CCC)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821868415
Customs tariff number	85369010000

Continued on next page

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

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I
SCIP notification number (Bulgaria)	fcd1e0cb-243d-41e8-90b1-f7b7db8287e3
SCIP notification number (Czech Republic)	4f75d67e-aef7-4e06-84cb-f75b814e2dc5

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
870-523/281-590

Documentation

Bid Text

870-523/281-590	19.02.2019	xml 3.30 KB	
870-523/281-590	11.02.2015	doc 25.50 KB	

CAD/CAE-Data

CAD data

2D/3D Models
870-523/281-590

CAE data

EPLAN Data Portal
870-523/281-590

WSCAD Universe
870-523/281-590

ZUKEN Portal
870-523/281-590

Continued on next page

1 Compatible Products

1.1 Optional Accessories

1.1.1 End plate

1.1.1.1 End plate

Item No.: 870-518
End and intermediate plate; 2 mm thick; gray

Item No.: 870-519
End and intermediate plate; 2 mm thick; orange

1.1.2 Insulation stop

1.1.2.1 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

1.1.3 Jumper

1.1.3.1 Jumper

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

1.1.4 Marking

1.1.4.1 Marker

Item No.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.1.5 Tool

1.1.5.1 Operating tool

Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured