Data Sheet | Item Number: 2102-1301

Regletă de trecere cu 3 conductori; cu levier şi push-in CAGE CLAMP®; 2,5 mm²; cu port test; marcare laterală şi centru; pentru şină DIN 35 x 15 şi 35 x 7,5; CAGE CLAMP® înclichetare; 2,50 mm²; gri

https://www.wago.com/2102-1301

Through terminal block, 2102 Series, Push-in CAGE CLAMP®

Easily, quickly and safely connect conductors with this through terminal block (item number 2102-1301). Whether for use in industry or building installations, our rail-mount through terminal blocks allow you to quickly and securely connect electrical conductors. They're perfect for either classic through-wiring or distributing potential, depending on the variant. Rated current and voltage are important parameters when choosing a through rail-mount terminal block, as they indicate how the product can be used. This product has a rated voltage of 800 V and a rated current of 24 A. Ensure that the strip lengths are between 10 mm and 12 mm when connecting conductors to this through terminal block. Featuring conductor terminals along with Push-in CAGE CLAMP®, this connector is highly versatile. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without the need for tools—all thanks to its pluggable design. The item's dimensions are 5.2 x 72.2 x 39.5 mm (width x height x depth). This through terminal block is suitable for conductor cross sections ranging from 0.25 mm² to 4 mm². It has one level. The single potential can connect using the three clamping points The gray housing is made of polyamide (PA66) for insulation. This through rail-mount terminal block is operated with lever,operating tool. Our TOPJOB® S rail-mount terminal blocks guarantee secure electrical connections in different industrial applications and modern building installations. They simplify wiring, as you can quickly plug in solid, stranded, and fine-stranded conductors with ferrules. These through rail-mount terminal blocks are mounted using DIN-35 rails.. Conductors made of copper can be connected via front-entry wiring. The two jumper slots enable potential distribution to other clamping points. This product is designed for specific Ex applications (please refer to the product datasheet).

Electrical data

Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Ex information	
Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"
Ratings per	ATEX: PTB 18 ATEX 1010 U / IECEx: PTB 18.0001U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	23.5 A
Rated current (Ex e II) with jumper	20 A

Power Loss	
Power loss, per pole (potential)	0.7661 W
Rated current I_N for specified power loss	24 A
Resistance value for specified, current-dependent power loss	0.00133 Ω

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Connection data

Clamping units	3
Total number of potentials	1
Number of levels	1
Number of jumper slots	2

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	2,5 mm²
Solid conductor	0,25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0,75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0,25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0,25 … 2,5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2,5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	10 … 12 mm / 0.39 … 0.47 inci
Wiring direction	Front-entry wiring

Connection 2

Actuation type	Operating tool

Physical data

Width	5,2 mm / 0.205 inci
Height	72,2 mm / 2.843 inci
Depth from upper-edge of DIN-rail	32,9 mm / 1.295 inci
Depth	39,5 mm / 1.555 inci

Mechanical data

Mounting type	DIN-35 rail
Marking level	Center/side marking

Material data

Note (material data)	Information on material specifications can be found here
Color	gri
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.172 MJ
Actuator color	orange
Weight	8 g

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Environmental requirements

Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Commercial data

PU (SPU)	50 Buc.
Packaging type	Box
Country of origin	DE
GTIN	4055143741798
Customs tariff number	85369010000

Product classification

UNSPSC	39121410

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption