

Item description

Note:

Terminating Aluminum Conductors

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

"Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

Using terminal blocks with PUSH WIRE® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors:

2.5 mm² (14 AWG) = 16 A

4 mm² (12 AWG) = 22 A

Safety information 1:

In grounded power lines

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (II / 2)	400 V
Rated impulse voltage (II / 2)	4 kV
Rated current	24 A

Connection data

Connection type (1)	Installation side:
Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
Solid conductor	1 ... 2.5 mm ² / 14 ... 12 AWG
Strip length	9 ... 11 mm / 0.35 ... 0.43 inch
Connection type (2)	Lighting side:
Connection technology 2	CAGE CLAMP®
Number of connection points	1
Solid conductor (2)	0.5 ... 2.5 mm ² / 20 ... 16 AWG
Total number of connection points	2
Total number of potentials	1
Type of wiring	Side-entry wiring

Geometrical Data

Width	8 mm / 0.315 inch
Height	15.5 mm / 0.61 inch
Depth	20.4 mm / 0.803 inch

Material Data

Color	black
Fire load	0.051 MJ
Weight	2.34 g

Environmental Requirements



Continuous operating temperature	120 °C
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Commercial data





Country of origin	CH
GTIN	4044918584050
Customs Tariff No.	85369010000

Approvals / Certificates


Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	1053495
	VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40022792

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	18- HG1755093- PDA
	BV Bureau Veritas S.A.	EN 60998	11914/C0 BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T
	LR Lloyds Register	EN 60998	04/20013 (E4)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	EN 60998	CCA- 2617-A1
	UL UL International Germany GmbH	EN 60998	D-05895- A1 (EN60998- 1 EN60998- 2-2)

Compatible products

General accessories



Item no.: 249-130

Syringe; Contents: 20 ml Alu-Plus contact paste

249-130

Downloads

Documentation

Bid Text

224-104

doc
25.6 kB

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CAD/CAE - Smart Data

CAD data

3D Download 224-104

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Subject to changes.
