

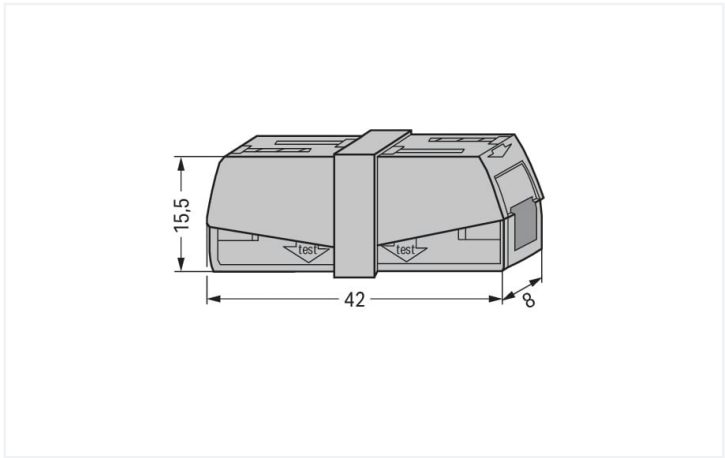
Data Sheet | Item Number: 224-201

Conector de service; buton cu reținere pe ambele părți; Parte iluminare: pt toate tipurile cond.; Parte inst.: pt conductori masivi; Seria 224; max. 2,5 mm²; Temperatură aer ambiant: max 60°C; 2,50 mm²; gri

<https://www.wago.com/224-201>



Color: gri



Dimensions in mm

Notes

Safety information 1 in grounded power lines

Electrical data

Ratings per IEC/EN	
Ratings per	EN 60664
Nominal voltage (II/2)	400 V
Rated surge voltage (II/2)	4 kV
Rated current	24 A
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2

Connection data

Connection points	2
Total number of potentials	1

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum

Connection 1

Connectable conductor materials (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 [249-130](https://www.wago.com/249-130) 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 CAGE CLAMP® 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 = 16 A

4 mm² = 22 A

Solid conductor	0,5 ... 2,5 mm ² / 20 ... 16 AWG
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Fine-stranded conductor	0,5 ... 2,5 mm ² / 20 ... 16 AWG
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Wiring direction	Side-entry wiring
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Physical data

Width	8 mm / 0.315 inci
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Material Data

Note (material data)

[Information on material specifications can be found here](#)

Color	gri
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Fire load	0.116 MJ
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Weight	4.6 g
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Commercial data

eCl@ss 10.0	27-14-11-03
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eCl@ss 9.0	27-14-11-03
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ETIM 8.0	EC000447
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ETIM 7.0	EC000447
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PU (SPU)	50 Buc.
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Packaging type	Box
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Country of origin	CH
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GTIN	4044918818407
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Customs tariff number	85369010000
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Approvals / Certificates



General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1053495
UL UL International Germany GmbH	UL 486C	E69654
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)
VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40022792

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	18-HG1755093-PDA
BV Bureau Veritas S.A.	EN 60998	11914/D0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA

Downloads

Documentation

Bid Text			
224-201	19.02.2019	xml 3.12 KB	↓
224-201	21.02.2019	docx 15.18 KB	↓

CAD/CAE-Data

CAD data
2D/3D Models 224-201

CAE data
EPLAN Data Portal 224-201
WSCAD Universe 224-201
ZUKEN Portal 224-201

1 Compatible Products

1.1 Optional Accessories

1.1.1 Tool

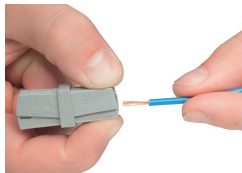
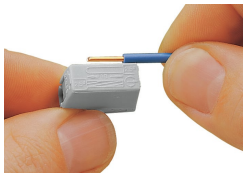
1.1.1.1 "Alu-Plus" contact paste



Item No.: 249-130
Seringă; Conținut: 20 ml de pastă de contact „Alu-Plus”

Installation Notes

Conductor termination



Strip conductor to 9 ... 11 mm (0.35 ... 0.43 inch).

To connect: Press button fully, insert stripped conductor into square entry and release.

Application



Service connector