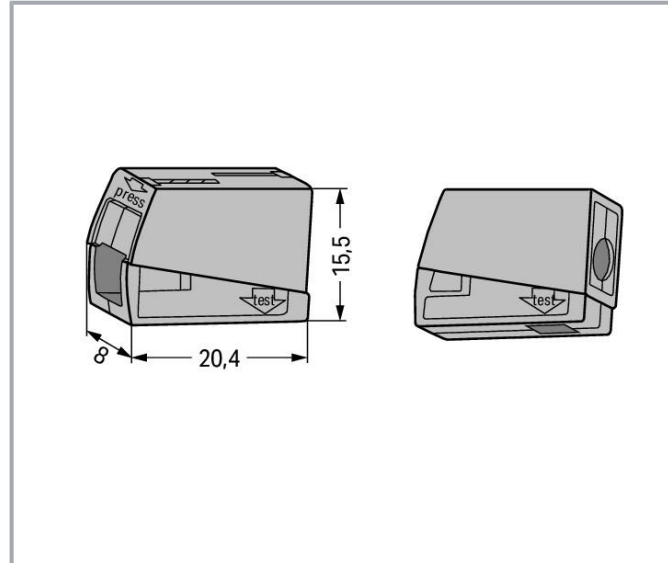


|: 224-101

Lighting connector; push-button on lighting side; Lighting side: for all conductor types; Inst. side: for solid conductors; 224 Series; max. 2.5 mm²; Surrounding air temperature: max 60°C; 2,50 mm²; gray

www.wago.com/224-101



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.

For spring clamp connections with PUSH WIRE® connection technology, **WAGO recommends that the aluminum conductor first be cleaned** and then immediately inserted into the clamping unit 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

WAGO Electronic (Tianjin) Co., Ltd.

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+49 (571) 887-44222

| : 224-101

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4 mm² = 22 A

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 type (1)	Installation side
Connection technology	PUSH WIRE®
Number of connection points	1
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 2	1
Solid conductor 2	0.5 ... 2.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor 2	0.5 ... 2.5 mm ² / 20 ... 16 AWG
Total number of connection points	2
Total number of potentials	1
Wiring type	Side-entry wiring

Physical data

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

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Material data

Color	gray
Fire load	0.041 MJ
Weight	1.8 g

Environmental requirements



Surrounding air temperature (operation)	60 °C
Continuous operating temperature	105 °C

Commercial data



Packaging type	BOX
Country of origin	CH
GTIN	4044918583817
Customs tariff number	85369010000

/

Country specific Approvals

	CSA DEKRA Certification B.V.	C22.2	1053495
	VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40022792

Ship Approvals

	ABS American Bureau of Shipping	-	18- HG1755093- PDA
	BV Bureau Veritas S.A.	EN 60998	11914/DO BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T



LR
Lloyds Register

EN 60998

04/20013
(E8)

UL-Approvals



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)



UL
UL International Germany GmbH

UL 486C

E69654

General accessories



: 249-130

Syringe; Contents: 20 ml Alu-Plus contact paste

www.wago.com/249-130

Documentation

Bid Text

224-101 X81 - Datei	2019219	xml 3.5 kB
224-101 docx - Datei	2019221	docx 15.9 kB

Additional Information

WAGO Electronic (Tianjin) Co., Ltd.

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Technical explanations

201943

pdf
2.2 MB

CAD/CAE-Data

CAE data

EPLAN Data Portal 224-101

URL

WSCAD Universe 224-101

URL

ZUKEN Portal 224-101

URL

CAD data

2D/3D Models 224-101

URL

Environmental Product Compliance

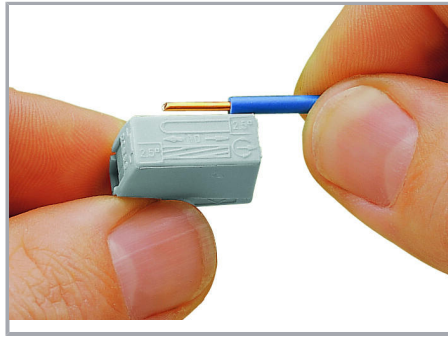
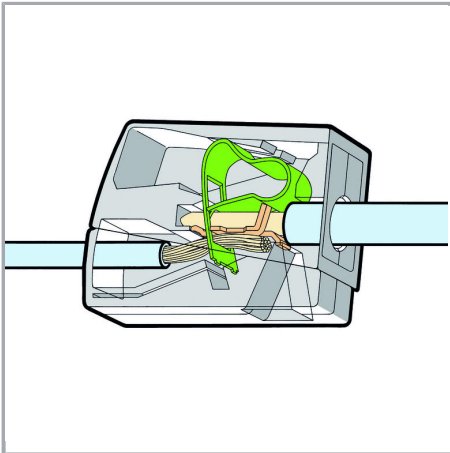
Compliance Search

Environmental Product Compliance 224-101

URL

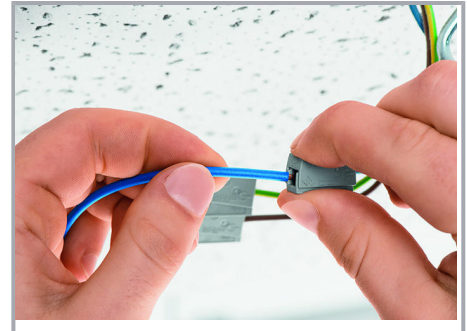
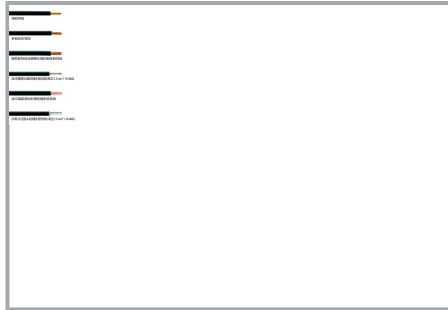
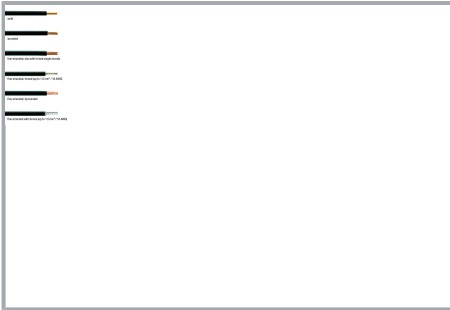
Lighting connector; push-button on lighting side; Lighting side: for all conductor types; Inst. side: for solid conductors; 224 Series; max. 2.5 mm²; Surrounding air temperature: max 60°C; 2,50 mm²; gray

Installation Notes

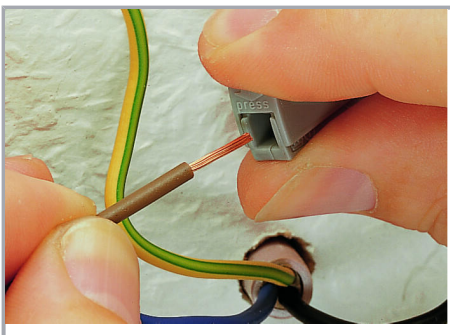


Strip conductor to 9 ... 11 mm (0.35 ... 0.43 inch).

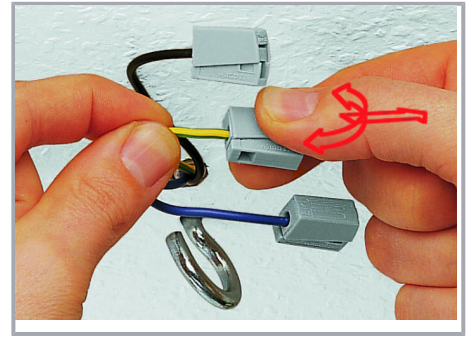
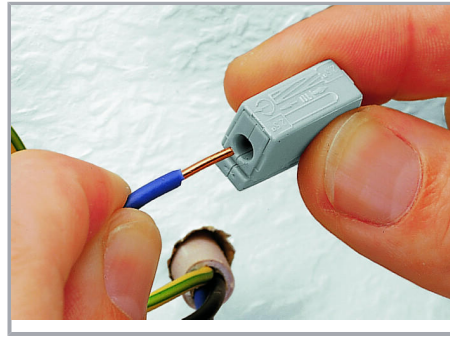
Lighting Connectors (2.5 mm²), 224 Series



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

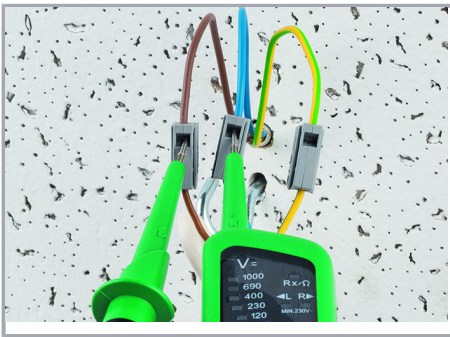


To remove: Press button and withdraw conductor.

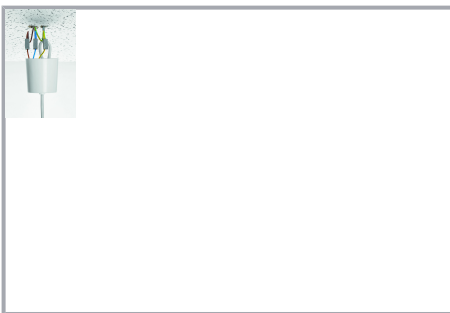


To connect: Insert stripped solid conductor into circular entry and push until it hits the backstop.

To remove: Hold conductor to be removed and twist alternately left and right while slightly pulling the connector.



Testing via separate test ports.



Connecting solid conductors with fine-stranded conductors via lighting connectors (224-101).