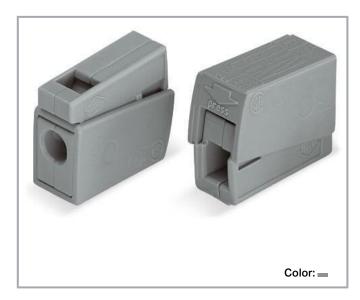
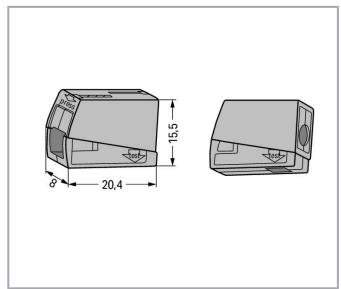
Lighting connector; push-button on lighting side; Lighting side: for all conductor types; Inst. side: for solid conductors; 224 Series; max. 2.5 mm²; Surrounding air temperature: max 60°C; 2,50 mm²; gray



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Data Notes

Safety information 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

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Connection 1

Connection type 1	Installation side
Connection technology	PUSH WIRE [®]
Number of connection points	1
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
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 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.
	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:: $2.5 \text{ mm}^2 = 16 \text{ A}$ $4 \text{ mm}^2 = 22 \text{ A}$
Solid conductor	1 2.5 mm² / 14 12 AWG
Strip length	9 11 mm / 0.35 0.43 inches
Wiring direction	Side-entry wiring

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Connection 2

Connection type 2	Lighting side
Connection technology 2	CAGE CLAMP [®]
Number of connection points 2	1
Solid conductor 2	0.5 2.5 mm² / 20 16 AWG
Fine-stranded conductor 2	0.5 2.5 mm² / 20 16 AWG

Physical data

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

Material Data

Note (material data)

Information on material specifications can be found here

Color	gray
Fire load	0.04 MJ
Weight	1.8 g

Environmental requirements

Ambient temperature (operation)	+60 °C
Continuous operating temperature	 105 ℃

Commercial data

eCl@ss 10.0	27-14-11-03
eCl@ss 9.0	27-14-11-03
ETIM 8.0	EC000447
ETIM 7.0	EC000447
PU (SPU)	1000 (100) pcs
Packaging type	box
Country of origin	СН
GTIN	4044918583817
Customs tariff number	85369010000

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Environmental Product Compliance

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RoHS Compliance Status Comp		Compliant,No Exemption	Compliant,No Exemption	
Approvals	s / Certificates			
General app	provals			
			Certificate	
Logo	Approval	Additional Approval Text	name	
(1)	CSA DEKRA Certification B.V.	C22.2	1053495	
CCA	UL UL International Germany GmbH	EN 60998	CCA- 2617-A1	
(D)	UL UL International Germany GmbH	EN 60998	D-05895- A1 (EN60998- 1 EN60998- 2-2)	
LISTED WIRE CONNECTOR	UL UL International Germany GmbH	UL 486C	E69654	
VDE	VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40022792	
Declaration	s of conformity and manufacturer's declarations			
Logo	Approval	Additional Approval Text	Certificate name	
((EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-	
UK	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-	
Approvals f	or marine applications			
Subject to c	changes. Please also observe the further product do	ocumentation!		
		Do you have any questions about our produc We are always happy to take your call at +49		

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Logo	Approval	Additional Approval Text	Certificate name
ABS:	ABS American Bureau of Shipping	-	18- HG1755093- PDA
BUREAU VERITAS	BV Bureau Veritas S.A.	EN 60998	11914/D0 BV
DNV DNVCOM/AF	DNV GL Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T
ON LONG.	LR Lloyds Register	EN 60998	LR22207029TA
Optional ac	cessories ontact paste		
Alu-Pius C	Item no.: 249-130 Syringe; Contents: 20 ml Alu-Plus contact paste		www.wago.com/249-130

Downloads Documentation

Bid Text

224-101 docx - Datei	2019 Feb 21	docx 15.9 kB	Download
224-101 X81 - Datei	2019 Feb 19	xml 3.5 kB	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 224-101 URL Download

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WSCAD Universe 224-101	URL	Download
ZUKEN Portal 224-101	URL	Download
CAD data		
2D/3D Models 224-101	URL	Download

Environmental Product Compliance

Compliance Search

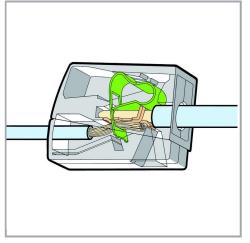
Environmental Product Compliance 224-101

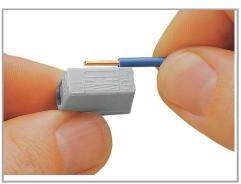
URL Download

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

Conductor termination





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

Lighting Connectors (2.5 mm²), 224 Series

Conductor termination

Subject to changes. Please also observe the further product documentation!

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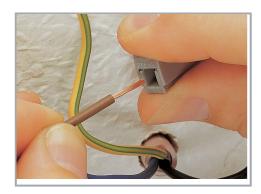
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To connect: Press button fully, insert stripped conductor into square entry and release.



To remove: Press button and withdraw conductor.

Conductor termination





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

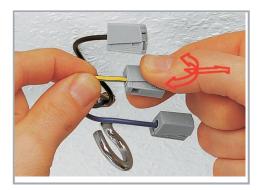
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To remove: Hold conductor to be removed and twist alternately left and right while slightly pulling the connector.

Testing



Testing via separate test ports.





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

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