

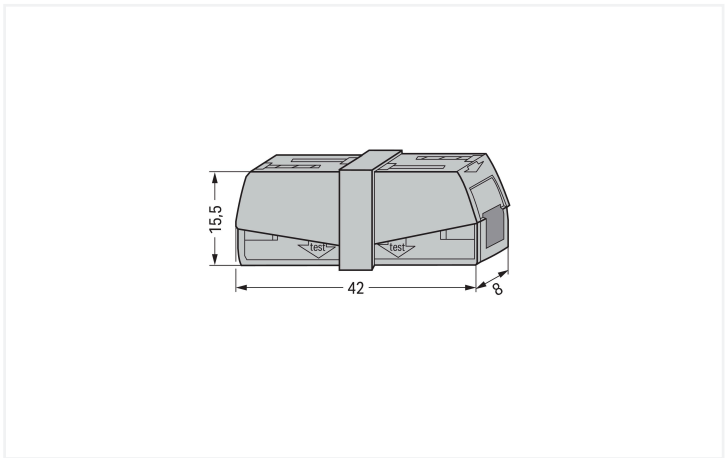
Data Sheet | Item Number: 224-201

Service connector; push-button on both sides; 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

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



Color: ■ gray



Dimensions in mm

Lighting connector, 224 Series, gray

This lighting connector (item number 224-201) streamlines wire connections, making them both quick and easy. WAGO's 224 Series lighting connectors make connecting lights a breeze—and completely safe. Light up any space quickly and reliably. If you need to connect a fine-stranded conductor with a solid conductor, choose the 224 Series for performance you can trust. Strip lengths must be between 9 and 11 mm when connecting conductors to this lighting connector. Our splicing connector is rated for 400 V and is designed for use with a rated current of up to 24 A. As such, it is suitable for high-load applications. This product features conductor terminals and utilizes CAGE CLAMP®. Our trusted universal connection known as CAGE CLAMP® is the industry standard when it comes to connection technology and electrical interconnections. The item's dimensions are (8 x 15.5 x 42) mm (width x height x depth). This lighting connector is suitable for conductor cross sections ranging from 0.5 mm² to 2.5 mm².

Notes		
Safety Information	in grounded power lines	

Electrical data					General information	
Ratings per		EN 60664			Wiring direction	Side-entry wiring
Overvoltage category	III	III	II			
Pollution degree	3	2	2			
Nominal voltage	-	-	400 V			
Rated impulse withstand voltage	-	-	4 kV			
Rated current	-	-	24 A			

Connection Data			Connection 1	
Clamping units	2		Connection technology	CAGE CLAMP®
Total number of potentials	1		Actuation type	Push-in
			Connectable conductor materials	Copper Aluminum

Connection 1	
Connectable conductor materials (note)	Terminating Aluminum Conductors (not for use in North America) WAGO Spring-Clamp Terminal Blocks are also suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO Aluminum Contact Paste 249-130 is used for termination. Aluminum 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 inserted into the clamping units filled with aluminum contact paste. It is also possible to apply WAGO Aluminum Contact Paste 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 mm² / 20 ... 16 AWG
Fine-stranded conductor	0.5 ... 2.5 mm² / 20 ... 16 AWG
Strip length	9 ... 11 mm / 0.35 ... 0.43 inches
Wiring direction	Side-entry wiring

Physical data	
Width	8 mm / 0.315 inches
Height	15.5 mm / 0.61 inches
Depth	42 mm / 1.654 inches

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Fire load	0.085 MJ
Weight	4.6 g

Environmental requirements	
Ambient temperature (operation)	+60 °C



Commercial data	
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CH
GTIN	4044918818407
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-14-11-03
eCl@ss 9.0	27-14-11-03
ETIM 9.0	EC000446
ETIM 10.0	EC000446
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	154112	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UL UL International Germany GmbH	EN 60998	CCA-2617-A1	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UL UL International Germany GmbH	EN 60998	D-05895-A1 (EN60998-1 EN60998-2-2)			
UL UL International Germany GmbH	UL 486C	E69654			
VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40022792			

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	23-2417173-PDA
LR Lloyds Register	EN 60998	LR22207029TA
PRS Polski Rejestr Statków	EN 60998	TE/1093/880590/23



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 224-201

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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

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CAE data

EPLAN Data Portal 224-201

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WSCAD Universe 224-201

↓

ZUKEN Portal 224-201

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Tool

1.1.1.1 Aluminum contact paste



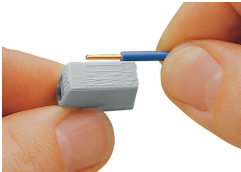
Item No.: 249-130

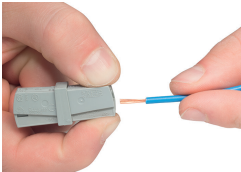
Syringe; Contents: Aluminum Contact Paste, 20 ml

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