

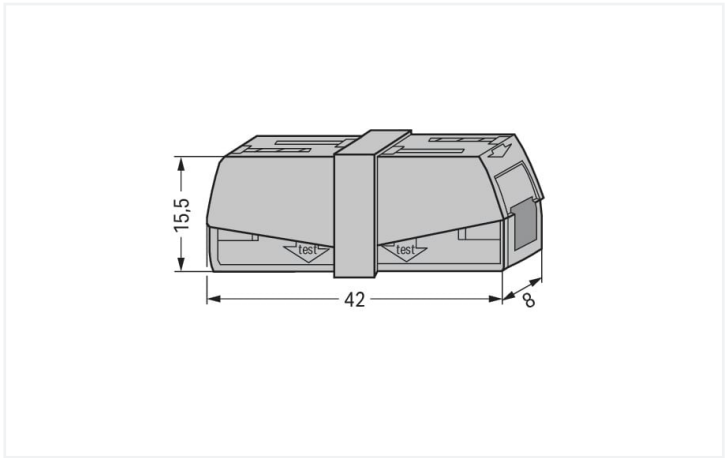
Data Sheet | Item Number: 224-201

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

Notes

Safety information	in grounded power lines
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Electrical data

Ratings per	EN 60664		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	400 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

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 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 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	0.116 MJ
Weight	4.6 g

Environmental requirements	
Ambient temperature (operation)	+60 °C



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)		50 pcs
Packaging type		Box
Country of origin		CH
GTIN		4044918818407
Customs tariff number		85369010000

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	1053495	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL UL International Germany GmbH	UL 486C	E69654	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
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 Zertifizie- rungsinstitut	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

Compliance Search			
Environmental Product Compliance 224-201			

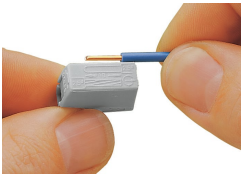
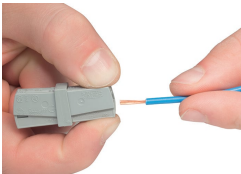
Documentation			
Bid Text			
224-201	19.02.2019	xml 3.12 KB	
224-201	21.02.2019	docx 15.18 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 224-201 	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](#)
Syringe; Contents: 20 ml Alu-Plus contact paste

Installation Notes	
Conductor termination	
	 Strip conductor to 9 ... 11 mm (0.35 ... 0.43 inch).  To connect: Press button fully, insert striped conductor into square entry and release.

Application



Service connector