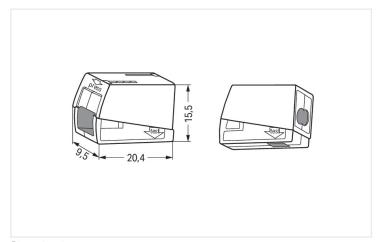
2-conductor lighting connector; push-button on lighting side; Lighting side: for all conductor types; Inst. side: for solid conductors; 224 Series; max. 2.5 mm²; Surrounding air temperature: max 60°C; 2,50 mm²; white



https://www.wago.com/224-112







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



 $1 \dots 2.5 \ mm^2 \ / \ 16 \dots 14 \ AWG$ 9 ... 11 mm / 0.35 ... 0.43 inches

Side-entry wiring

https://www.wago.com/224-112 Connection data Total number of connection points Connection 1 Total number of potentials 1 Connection type 1 Installation side Connection technology **PUSH WIRE®** Number of connection points 2 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 mm² = 16 A 4 mm² = 22 A

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 14 AWG
Fine-stranded conductor 2	0.5 2.5 mm² / 20 16 AWG

Solid conductor

Strip length Wiring direction

https://www.wago.com/224-112



Physical data Width 9.5 mm / 0.374 inches Height 15.5 mm / 0.61 inches Depth 20.5 mm / 0.807 inches

Material data	
Note (material data)	Information on material data can be found here
Color	white
Fire load	0.047 MJ
Weight	2.1 g

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

Commercial data	
Product Group	7 (Push Wire Conn.)
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) Stück
Packaging type	Box
Country of origin VKOrg Germany	СН
GTIN	4044918583596
Customs tariff number VKOrg Germany	85369010000

Approvals and 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 Zertifizie- rungsinstitut	EN 60998	40022792

Approvals for marine applications







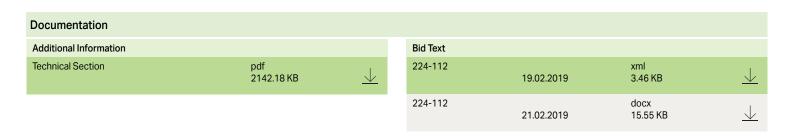


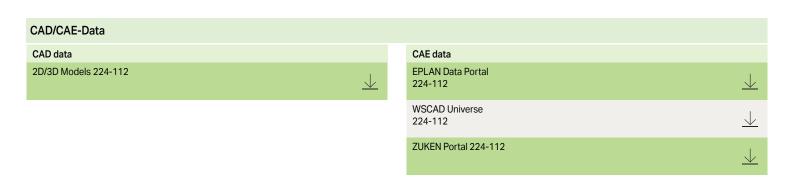
Approval	Standard	Certificate name
ABS American Bureau of Ship- ping	-	18-HG1755093-PDA
BV Bureau Veritas S.A.	EN 60998	11914/D0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA

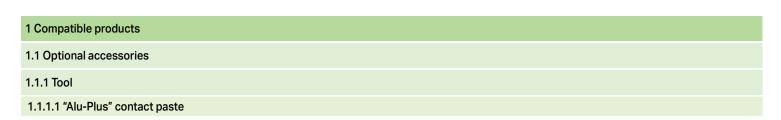
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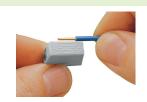


Item no.: 249-130
Syringe; Contents: 20 ml Alu-Plus contact paste

Installation notes

Conductor termination





Lighting Connectors (2.5 mm²), 224 Series

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

https://www.wago.com/224-112



Conductor termination





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



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.



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

Testing



Testing via separate test ports.

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

Current addresses can be found at: $\underline{www.wago.com}$

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