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 75°C; 2,50 mm²; black



www.wago.com/224-114



Item description

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

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

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4 mm² = 22 A **Safety information 1:**in grounded power lines

Data

Electrical data

Ratings per IEC/EN 60664-1

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

Installation side
PUSH WIRE®
2
Push-in
Copper Aluminum
1 2,5 mm² / 16 14 AWG
9 11 mm / 0.35 0.43 inch
Lighting side
CAGE CLAMP®
1
0,5 2,5 mm² / 20 14 AWG
0,5 2,5 mm² / 20 16 AWG
3
1
Side-entry wiring

Geometrical Data

Width	9,5 mm / 0.374 inch
Height	15,5 mm / 0.61 inch
Depth	20,5 mm / 0.807 inch

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

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Material Data

Color	black
Fire load	0.057 MJ
Weight	2.5 g

Environmental Requirements

Surrounding air temperature (operation)	60 60 °C
Continuous operating temperature	120 120 ℃

Commercial data

Packaging type	BOX
Country of origin	CH
GTIN	4044918583787
Customs tariff number	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
(P)	CSA DEKRA Certification B.V.	C22.2	1053495



VDE Prüf- und Zertifizierungsinstitut

VDE EN 60998 40022792

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
ABS.	ABS American Bureau of Shipping	-	18- HG1755093- PDA
BUREAU	BV Bureau Veritas S.A.	EN 60998	11914/C0 BV
	DNV GL	EN 60998	TAE000015T

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Det Norske Veritas, Germanischer Lloyd

APPROVED	R	
	TYPE APPROVAL.	

EN 60998 LR 04/20013 Lloyds Register (E8)

UL-Approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	UL	EN 60998	CCA-
()	UL International Germany GmbH		2617-A1
CCH			
	UL	EN 60998	D-05895-
	UL International Germany GmbH		A1
נעו			(EN60998-
			1
			EN60998-
			2-2)

Counterpart

Compatible products

General accessories



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

www.wago.com/249-130

Downloads

Documentation

Bid Text

224-114 GAEB X81 - Datei	Feb 19, 2019	xml 3.6 kB	Download
224-114 GAEB docx - Datei	Feb 21, 2019	docx 16.1 kB	Download

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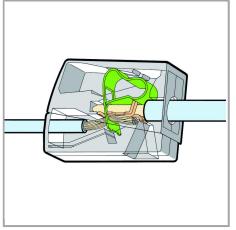
CAD/CAE-Data

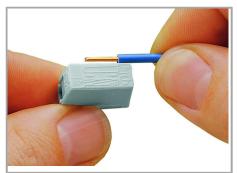
CAD data

2D/3D Models 224-114	URL	Download
CAE data		
EPLAN Data Portal 224-114	URL	Download
WSCAD Universe 224-114	URL	Download

Installation Notes

Conductor termination



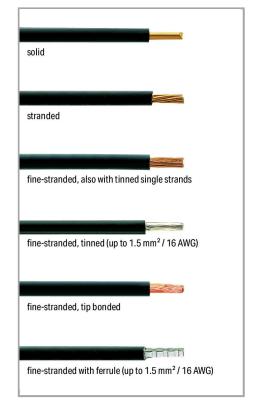


Strip conductor to 9 \dots 11 mm (0.35 \dots 0.43 inch).

Lighting Connectors, 2.5 mm² (12 AWG), 224 Series

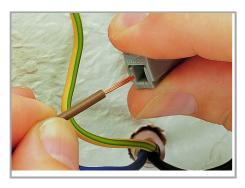
 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$





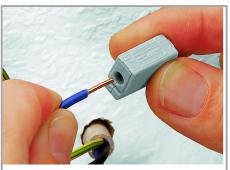


To connect: Press button fully, insert stripped conductor into square entry and release.

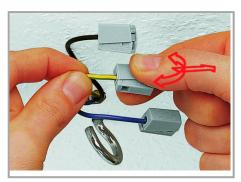


To remove: Press button and withdraw conductor.





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

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

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Testing via separate test ports.

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

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