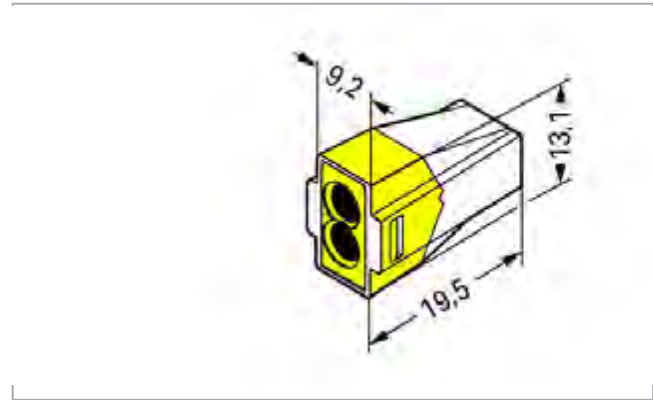


Data sheet | Item number: 773-102

PUSH WIRE® connector for junction boxes; 2-conductor; bulk packaging;
transparent housing; yellow face



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!



4 mm² = 22 A

Safety information 1:

in grounded power lines

Safety information 2:

When using conductors of exclusively the same cross-section, 0.75 mm²/18 AWG is also possible.

Data**Electrical data****Ratings per IEC/EN 60664-1**

Ratings per	IEC/EN 60664-1
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 technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
Solid conductor	0.75 ... 2.5 mm ² / 18 ... 12 AWG
Stranded conductor	1.5 ... 2.5 mm ² / 16 ... 12 AWG
Strip length	12 mm / 0.47 inch
Total number of connection points	2
Total number of potentials	1
Wiring type	Side-entry wiring

Physical data

Width	9.2 mm / 0.362 inch
Height	13.1 mm / 0.516 inch
Depth	19.5 mm / 0.768 inch

Material Data

Cover color	yellow
Flammability class per UL94	V2
Fire load	0.037 MJ

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

Weight	1.6 g
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Environmental Requirements

Surrounding air temperature (operation)	60 ... 60 °C
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Commercial data

Product Group	7 (Push Wire Conn.)
Packaging type	BOX
Country of origin	CN
GTIN	4044918397537
Customs tariff number	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA UL International Demko A/S	EN 60998	CCA-DK No. 2520
	CSA DEKRA Certification B.V.	C22.2	15411 (LR46759)
	ÖVE Österreichischer Verband für Elektrotechnik	EN 60998	1193-031- 09

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	18- HG1755093- PDA
	BV Bureau Veritas S.A.	EN 60998	11914/D0 BV
	DNV GL	EN 60998	TAE000015T

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



Det Norske Veritas, Germanischer Lloyd

LR
Lloyds Register

EN 60998

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UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 486C	E69654
	UL UL International Germany GmbH	EN 60998	D-03479-A1

Counterpart

Compatible products

Mounting adapter



Item no.: 773-332

Mounting carrier; 773 series PUSH WIRE® connectors for junction boxes; orange

General accessories



Item no.: 249-130

Syringe; Contents: 20 ml Alu-Plus contact paste

Downloads

Documentation

Additional Information

Technical explanations

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



CAD files

CAE data

WSCAD Universe 773-102

Installation Notes

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