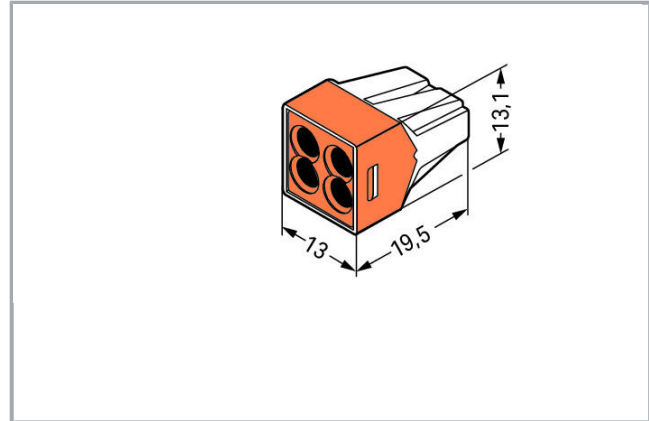# Data sheet | Item number: 773-104

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm²; 4-conductor; transparent housing; orange cover; Surrounding air temperature: max 60°C; 2,50 mm²

RoHS ✓ Compliant   BOMcheck.net   Color: ▉

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.

Using terminal blocks with PUSH WIRE® 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 (14 AWG) = 16 A

4 mm² (12 AWG) = 22 A

Safety information 1:

In grounded power lines

Safety information 2:

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

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (II / 2)	400 V
Rated impulse 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 mm² / 18 12 AWG
Stranded conductor	1.5 2.5 mm² / 16 12 AWG
Strip length	12 mm / 0.47 inch
Total number of connection points	4
Total number of potentials	1
Type of wiring	Side-entry wiring

Geometrical Data

Width	13 mm / 0.512 inch
Height	13.1 mm / 0.516 inch
Depth	19.5 mm / 0.768 inch

Material Data

Color	orange
Cover color	orange
Flammability class per UL94	V2
Fire load	0.056 MJ
Weight	2.511 g

Environmental Requirements

Surrounding air (operating) temperature	60 °C

Commercial data

Product Group	7 (Push Wire Conn.)
Packaging type	BOX
Country of origin	CN
GTIN	4044918397629
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

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

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
ABS	**ABS** American Bureau of Shipping	-	18-HG1755093-PDA
BV	**BV** Bureau Veritas S.A.	EN 60998	11914/C0 BV
DNV GL	**DNV GL** Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T
LR	**LR** Lloyds Register	EN 60998	04/20013 (E8)

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