

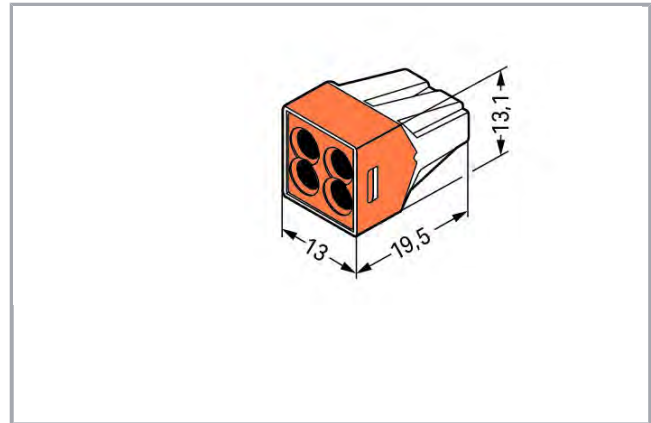
Data sheet | Item number: 773-104

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



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.

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



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

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) Δ 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 | 4 |
| Total number of potentials | 1 |
| Wiring type | Side-entry wiring |

Geometrical Data

| | |
|--------|----------------------|
| Width | 13 mm / 0.512 inch |
| Height | 13,1 mm / 0.516 inch |

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

| | |
|-------|----------------------|
| Depth | 19,5 mm / 0.768 inch |
|-------|----------------------|

Material Data

| | |
|-----------------------------|----------|
| Cover color | orange |
| Flammability class per UL94 | V2 |
| Fire load | 0.056 MJ |
| Weight | 2.5 g |

Environmental Requirements

| | |
|---|-------|
| Surrounding air temperature (operation) | 60 °C |
|---|-------|

Commercial data

| | |
|-----------------------|---------------------|
| Product Group | 7 (Push Wire Conn.) |
| Packaging type | BOX |
| Country of origin | CN |
| GTIN | 4044918397629 |
| 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 | - | 18- |

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



American Bureau of Shipping

HG1755093-
PDA



BV
Bureau Veritas S.A.

EN 60998

11914/C0
BV



DNV GL
Det Norske Veritas, Germanischer Lloyd

EN 60998

TAE000015T





LR
Lloyds Register

EN 60998

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(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 |

Counterpart

Compatible products

General accessories



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

Mounting adapter



Item no.: 773-332
Mounting carrier; 773 Series - 2.5 mm² / 4 mm² / 6 mm²; for DIN-35 rail mounting/screw mounting;
orange

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



Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

CAD/CAE-Data

CAE data

WSCAD Universe 773-104

Installation Notes

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