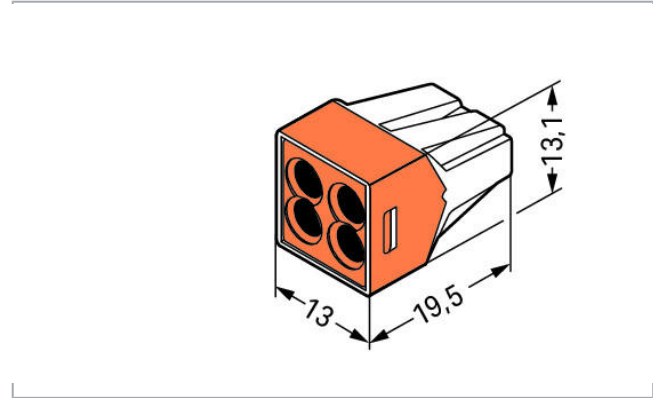


Data sheet | Item number: 773-104

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; multicoloured

www.wago.com/773-104



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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Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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

Physical data

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

Material Data

| | |
|-----------------------------|---------------|
| Color | multicoloured |
| Cover color | orange |
| Flammability class per UL94 | V2 |

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

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| | |
|-----------|----------|
| Fire load | 0.056 MJ |
| Weight | 2.5 g |

Environmental Requirements




| | |
|---|--------------|
| Surrounding air temperature (operation) | 60 ... 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 American Bureau of Shipping | - | 18- HG1755093- PDA |
|  | BV Bureau Veritas S.A. | EN 60998 | 11914/D0 BV |

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

| | | | |
|---|---|----------|------------------|
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | EN 60998 | TAE000015T |
|  | 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 |


Counterpart

Compatible products

General accessories

| | | |
|--|---|--|
|  | Item no.: 249-130 Syringe; Contents: 20 ml Alu-Plus contact paste | www.wago.com/249-130 |
|--|---|--|

Mounting adapter

| | | |
|--|--|--|
|  | Item no.: 773-332 Mounting carrier; 773 Series - 2.5 mm ² / 4 mm ² / 6 mm ² ; for DIN-35 rail mounting/screw mounting; orange | www.wago.com/773-332 |
|--|--|--|

Downloads

Documentation

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf 2.2 MB | Download |
|------------------------|-------------|---------------|----------|

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



CAD/CAE-Data

CAE data

WSCAD Universe 773-104

URL

Download

Installation Notes

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

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