

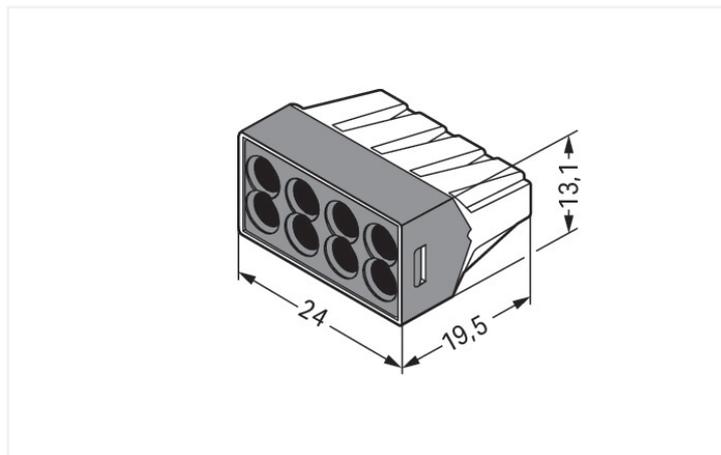
Data Sheet | Item Number: 773-168

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm²; 8-conductor; transparent housing; dark gray cover; Surrounding air temperature: max 60°C; 2,50 mm²; multicoloured

<https://www.wago.com/773-168>



Color: multi-colored



Dimensions in mm

Notes

Safety information

in grounded power lines

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	400 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Connection data

Connection points	8
Total number of potentials	1

Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum

Connection 1

Connectable conductor materials (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 [249-130](https://www.wago.com/249-130) 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
4 mm² = 22 A

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 inches
Wiring direction	Side-entry wiring

Physical data

Width	24 mm / 0.945 inches
Height	13.1 mm / 0.516 inches
Depth	19.5 mm / 0.768 inches

Material data

Note (material data)	Information on material specifications can be found here
Color	multi-colored
Cover color	dark gray
Flammability class per UL94	V2
Fire load	0.98 MJ
Weight	4.6 g

Environmental requirements

Ambient temperature (operation)	+60 °C
Continuous operating temperature	105 °C

Commercial data

ETIM 8.0	EC000446
ETIM 7.0	EC000446
PU (SPU)	6 (1) pcs
Packaging type	Box
GTIN	4044918121873

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	15411 (LR46759)
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-101747
UL UL International Germany GmbH	UL 486C	E69654

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 773-168	↓

Documentation

Additional Information	
Technical Section	pdf 2240.62 KB ↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Mounting adapter

1.1.1.1 Mounting accessories



Item No.: [773-332](#)

Mounting carrier; 773 Series - 2.5 mm² / 4 mm² / 6 mm²; for DIN-35 rail mounting / screw mounting; orange

1.1.2 Tool

1.1.2.1 "Alu-Plus" contact paste



Item No.: [249-130](#)

Syringe; Contents: 20 ml Alu-Plus contact paste