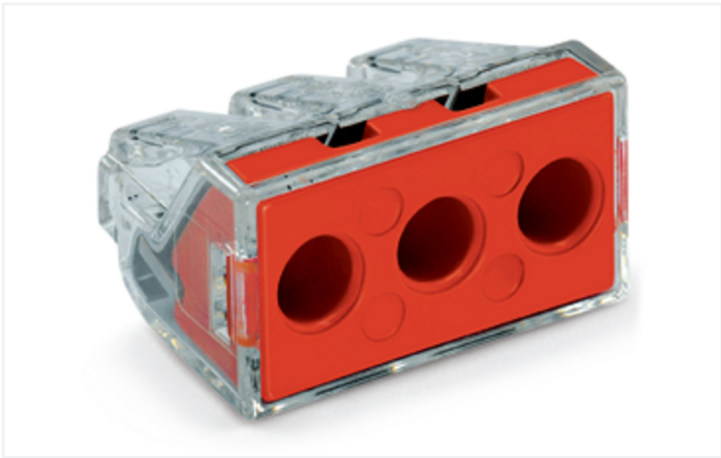


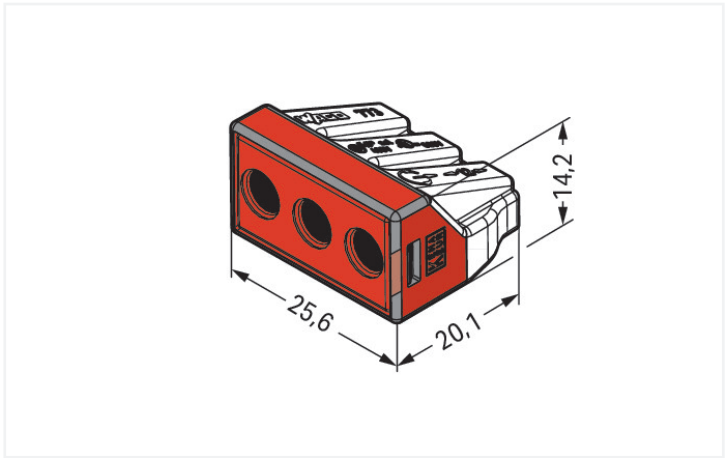
Data Sheet | Item Number: 773-173

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 6 mm²; 3-conductor; transparent housing; red cover; Surrounding air temperature: max 60°C; 6,00 mm²; transparent

<https://www.wago.com/773-173>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 773 Series, transparent

Error-free electrical installations are guaranteed with push wire® splicing connector (item number 773-173). Quickly and securely connect conductors in any building installation with WAGO's 773 Series PUSH WIRE® connectors, designed for both surface and flush-mounted junction boxes. Whether you intend to use them in private or commercial applications, this series of PUSH WIRE® connectors for junction boxes ensures simple and time-saving installations. Rated current and voltage are key factors to consider when choosing a splicing connector, as they indicate how the product can be used. This product has a rated voltage of 400 V and a rated current of 41 A, making it suitable for high-load applications. Ensure that the strip lengths are between 12 mm and 13 mm when connecting conductors to push wire® splicing connector. This product features conductor terminals and utilizes PUSH WIRE®. Our PUSH WIRE® connection is the simple and reliable method for connecting solid conductors. The item's dimensions are 25.6 x 14.2 x 20.1 mm (width x height x depth). Push wire® splicing connector is suitable for conductor cross sections ranging from 2.5 mm² to 6 mm². Tin is used for coating the contact surfaces.

Notes

General safety instructions

NOTICE: Observe installation and safety instructions!

- Only to be used by electricians!
- Do not work under voltage/load!
- Use only for proper use!
- Observe national regulations/standards/guidelines!
- Observe technical specifications for the products!
- Observe the number of permissible potentials!
- Do not use damaged/dirty components!
- Observe conductor types, cross-sections and strip lengths!
- Insert conductor until it hits the product's backstop!
- Use original accessories!

To be sold only with installation instructions!

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	-	-	41 A



Connection data		
Clamping units	3	
Total number of potentials	1	
Connection 1		
Connection technology	PUSH WIRE®	
Actuation type	Push-in	
Connectable conductor materials	Copper Aluminum	
Connectable conductor materials (note)	Terminating Aluminum Conductors (not for use in North America) WAGO Spring-Clamp Terminal Blocks are also suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO “Alu-Plus” Contact Paste 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 pressure 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	2.5 ... 6 mm² / 14 ... 10 AWG	
Stranded conductor	2.5 ... 6 mm² / 14 ... 10 AWG	
Strip length	12 ... 13 mm / 0.47 ... 0.51 inches	
Wiring direction	Side-entry wiring	

Physical data		
Width		25.6 mm / 1.008 inches
Height		14.2 mm / 0.559 inches
Depth		20.1 mm / 0.791 inches

Material data		
Note (material data)	Information on material specifications can be found here	
Color	transparent	
Cover color	red	
Material group	IIIa	
Insulation material (main housing)	Polycarbonate (PC)	
Flammability class per UL94	V2	
Clamping spring material	Chrome-nickel spring steel (CrNi)	
Contact material	Electrolytic copper (E _{Cu})	
Contact Plating	Tin	
Fire load	0.113 MJ	
Weight	5.8 g	



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

Commercial data	
eCl@ss 10.0	27-14-11-04
eCl@ss 9.0	27-14-11-04
ETIM 9.0	EC000446
ETIM 8.0	EC000446
PU (SPU)	500 (50) pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821215141
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates					
General approvals			Approvals for marine applications		
  					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	15411 (LR46759)	ABS American Bureau of Ship- ping	-	18-HG1755093-PDA
ENEC 15 UL International Germany GmbH	EN 60998	ENEC-01207			
UL UL International Germany GmbH	UL 486C	E69654			

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 773-173	



Documentation			
Bid Text			
773-173	19.02.2019	xml 3.24 KB	↓
773-173	17.05.2017	doc 25.00 KB	↓
ausschreiben.de 773-173			↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 773-173	EPLAN Data Portal 773-173
↓	↓
	WSCAD Universe 773-173
	↓
	ZUKEN Portal 773-173
	↓

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