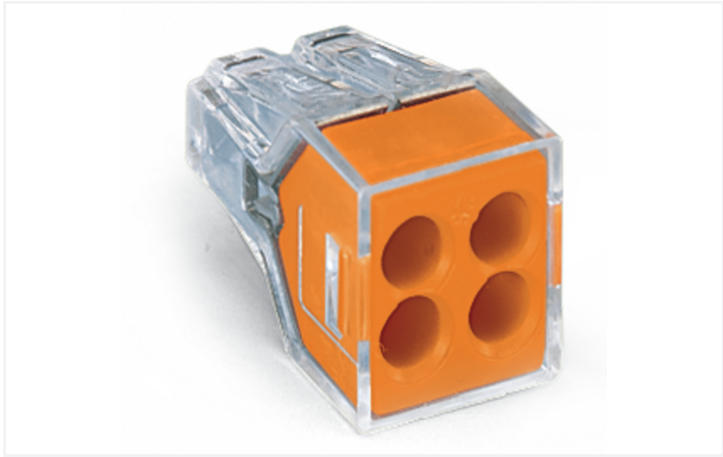


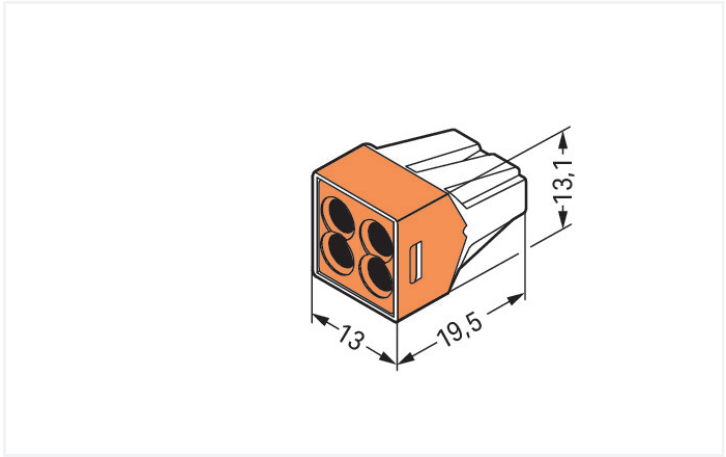
Data Sheet | Item Number: 773-164

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; transparent

<https://www.wago.com/773-164>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 773 Series, Push-in

Fault-free electrical installations are guaranteed with push wire® splicing connector (item number 773-164). 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 used in private or commercial applications, this series of PUSH WIRE® connectors for junction boxes ensures simple and time-saving installations. Conductors should only be connected to push wire® splicing connector if their strip length is 12 mm . Our splicing connector is rated for 400 V and is designed to handle a rated current of up to 24 A. It is therefore suitable for high-load applications. Featuring conductor terminals along with PUSH WIRE®, this product is highly versatile. Our trusted PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The item's dimensions are (13 x 13.1 x 19.5) mm (width x height x depth). Push wire® splicing connector is suitable for conductor cross sections ranging from 0.75 mm² to 2.5 mm².

Tin is used for coating the contact surfaces.

Notes	
General safety information	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
Safety Information	



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

General information	
Wiring direction	Side-entry wiring

Connection Data			
Clamping units	4	Connection 1	
Total number of potentials	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 Aluminum Contact Paste 249-130 is used for termination. Aluminum 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 aluminum contact paste. It is also possible to apply WAGO Aluminum Contact Paste 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 mm² / 18 ... 12 AWG
		Stranded conductor	1.5 ... 2.5 mm² / 16 ... 12 AWG
		Strip length	12 mm / 0.47 inches
		Wiring direction	Side-entry wiring



Physical data		
Width		13 mm / 0.512 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		transparent
Cover color		orange
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		0.057 MJ
Weight		2.7 g

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

Commercial data		
Product Group		7 (Push Wire Conn.)
PU (SPU)		1000 (100) pcs
Packaging type		Box
Country of origin		DE
GTIN		4044918398022

Product Classification		
UNSPSC		39121409
eCl@ss 10.0		27-14-11-04
eCl@ss 9.0		27-14-11-04
ETIM 9.0		EC000446
ETIM 10.0		EC000446
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	15411 (LR46759)
DEMKO UL International Demko A/S	EN 60998	D-10520
UL UL International Germany GmbH	UL 486C	E69654

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 773-164



CAD/CAE-Data

CAE data
EPLAN Data Portal 773-164
WSCAD Universe 773-164



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 Aluminum contact paste



Item No.: [249-130](#)
Syringe; Contents: Aluminum Contact Paste,
20 ml