

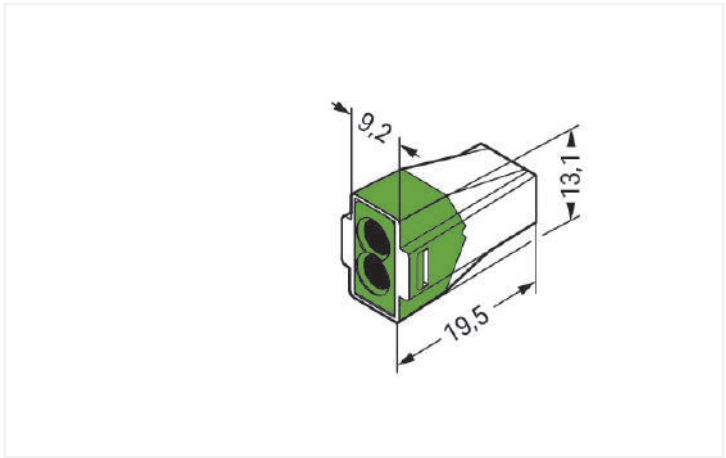
Data Sheet | Item Number: 773-112

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

<https://www.wago.com/773-112>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 773 Series, PUSH WIRE®

Our push wire® splicing connector (item number 773-112) simplifies electrical installations. 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. Rated current and voltage are important parameters when choosing a splicing connector, as they indicate possible applications and uses. This product has a rated voltage of 400 V and a rated current of 24 A, making it suitable for high-load applications. Strip lengths must be 12 mm when connecting conductors to push wire® splicing connector. This product incorporates conductor terminals and utilizes PUSH WIRE®. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. The item's dimensions are 9.2 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 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!

Safety Information

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	-	-	24 A



Connection data		
Clamping units	2	
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	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		9.2 mm / 0.362 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	green	
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	0.037 MJ	
Weight	1.8 g	



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

Commercial data		
Product Group		7 (Push Wire Conn.)
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)		1000 (100) pcs
Packaging type		Box
Country of origin		CN
GTIN		4044918397773
Customs tariff number		85369010000

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA UL International Demko A/ S	EN 60998	CCA-DK No. 2520	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA DEKRA Certification B.V.	C22.2	15411 (LR46759)	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL UL International Germany GmbH	UL 467	E201573			
UL UL International Germany GmbH	EN 60998	D-03479-A1			

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	18-HG1755093-PDA
BV Bureau Veritas S.A.	EN 60998	11914/D0 BV
DNV GL Det Norske Veritas, Ger- manischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 773-112

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CAD/CAE-Data

CAE data

EPLAN Data Portal 773-112

↓

WSCAD Universe 773-112

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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