

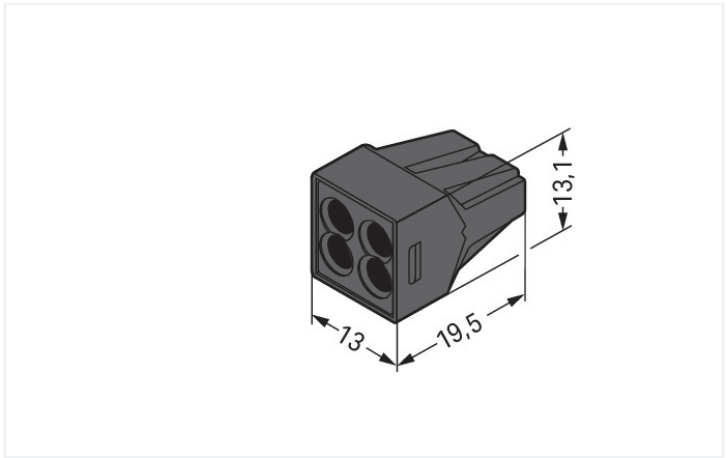
Data Sheet | Item Number: 773-514

PUSH WIRE® splicing connector; for solid and stranded conductors; max. 2.5 mm²; 4-conductor; Black housing; black cover; Max. surrounding air temperature: 105 °C; 2,50 mm²; black

<https://www.wago.com/773-514>



Color: ■ black



Dimensions in mm

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

Enjoy fault-free electrical installations with push wire® splicing connector (item number 773-514). 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 important parameters when choosing a splicing connector, as they determine the product's suitability for different applications. This product has a rated voltage of 400 V and a rated current of 24 A, making it suitable for high-load applications. Ensure that the strip lengths are 12 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 dimensions are 13 x 13.1 x 19.5 mm (width x height x depth). Depending on the type of conductor, push wire® splicing connector is designed for conductor cross sections ranging from 0.75 mm² to 2.5 mm². The contact surface is coated with tin.

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	4	
Total number of potentials	1	
Connection 1		
Connection technology	PUSH WIRE®	
Actuation type	Push-in	
Connectable conductor materials	Copper Aluminum	
Connectable conductor materials (note)	<p>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.</p> <p>“Alu-Plus” Contact Paste Advantages:</p> <ul style="list-style-type: none">• 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. <p>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.</p> <p>It is also possible to apply WAGO “Alu-Plus” additionally on the whole surface of the aluminum conductor before termination.</p> <p>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</p>	
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	black	
Cover color	black	
Insulation material (main housing)	Polyamide (PA46)	
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 MJ	
Weight	2.1 g	



Environmental requirements		
Ambient temperature (operation)		+60 °C
Continuous operating temperature		150 °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)		100 pcs
Packaging type		Box
Country of origin		CN
GTIN		4045454259433
Customs tariff number		85369010000

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)
UL UL International Germany GmbH	UL 486C	E69654

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 773-514	↓

Documentation

Bid Text			
773-514	17.05.2017	doc 25.00 KB	↓
773-514	19.02.2019	xml 3.11 KB	↓
ausschreiben.de 773-514			↓



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 773-514	EPLAN Data Portal 773-514
	WSCAD Universe 773-514
	ZUKEN Portal 773-514

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