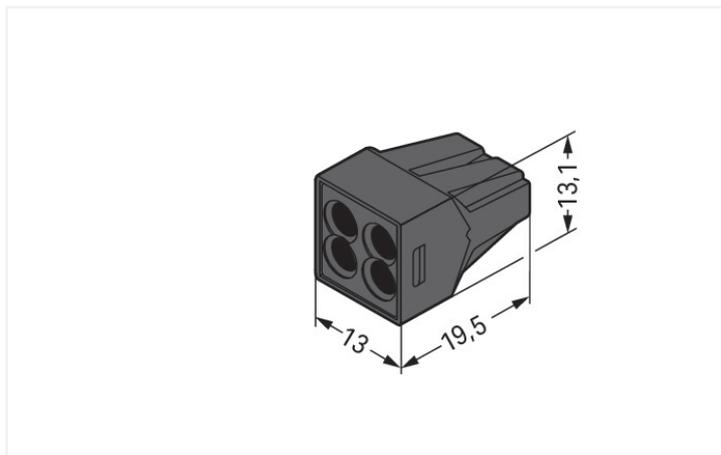# Data Sheet | Item Number: 773-514

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®

Our push wire® splicing connector (item number 773-514) is designed for seamless 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 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. Strip lengths must be 12 mm when connecting conductors to push wire® splicing connector. Our splicing connector is rated for 400 V and is designed for use with a rated current of up to 24 A. It can therefore be used in high-load applications. Featuring conductor terminals along with PUSH WIRE®, this product outperforms the competition. Our PUSH WIRE® connection is the simple and reliable method for connecting solid conductors. 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!**
Safety Information	in grounded power lines

Electrical data

Ratings per · IEC/EN 60664-1

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
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	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.)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	CN
GTIN	4045454259433
Customs tariff number	85369010000

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)
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

2D/3D Models 773-514	↓

CAE data

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

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at:: www.wago.com