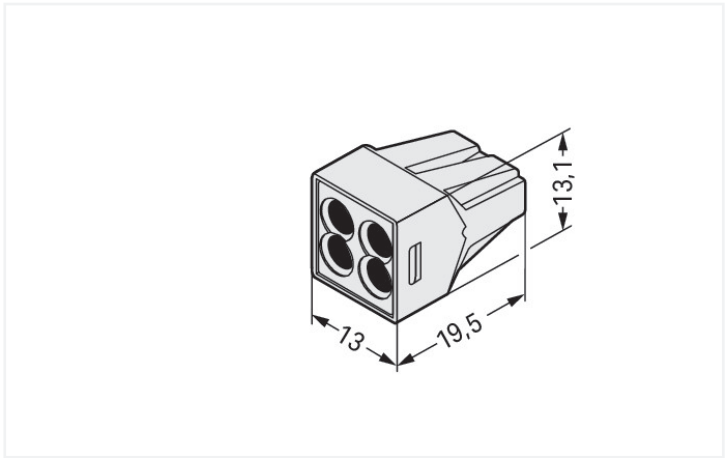# Data Sheet | Item Number: 773-494

PUSH WIRE® splicing connector; for solid and stranded conductors; for Ex applications; max. 2.5 mm²; 4-conductor; light gray housing; light gray cover; Surrounding air temperature: max 60°C; 2,50 mm²; light gray

https://www.wago.com/773-494

Color: ■ light gray

Dimensions in mm

Notes

Sicherheitshandhabungshinweis	**Attention: Observe operating instructions, danger to life and limb!** • **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 in hits the product's backstop! • Use original accessories! **To be sold only with installation instructions!**
Safety information 2	To be used only in conjunction with a mounting carrier (773-331).

Electrical data

Ratings per

		EN 60079	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	-
Rated surge voltage	-	-	-
Rated current	-	-	-

Ex information

Rated voltage EN (Ex e II)	550 V
Note (rated voltage)	275 V at a distance < 10 mm to parts of other potentials
Rated current (Ex e II)	24 A

Connection data

Connection points	4
Total number of potentials	1

Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum

Connection 1

Connectable conductor materials (note)	**Terminating Aluminum Conductors (Not for use in North America)** WAGO spring clamp terminal blocks are 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 clamp 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 … 14 AWG
Stranded conductor	0.75 … 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	light gray
Cover color	light gray
Flammability class per UL94	V2
Fire load	0.053 MJ
Weight	2.4 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 8.0	EC000446
ETIM 7.0	EC000446
PU (SPU)	1000 (100) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143026512
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
UL UL International Germany GmbH	UL 486C	E69654

Approvals for hazardous areas

Approval	Standard	Certificate Name
ATEX UL International Demko A/S	EN 60079	DEMKO 03 ATEX 131845U Rev. 1 (II 2 G Ex eIIC Gb)
EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE.AM02.B.00127/19 (Ex e IIC Gb U)

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 773-494	↓

Documentation

Bid Text			
773-494	19.02.2019	xml 3.15 KB	↓
773-494	17.05.2017	doc 25.00 KB	↓
ausschreiben.de 773-494			↓

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 773-494 ↓	EPLAN Data Portal 773-494 ↓
	WSCAD Universe 773-494 ↓
	ZUKEN Portal 773-494 ↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Mounting adapter

1.1.1.1 Mounting accessories

Item No.: 773-331
Mounting carrier; for Ex applications; 773 Series - 2.5 mm² / 6 mm²; for DIN-35 rail mounting/screw mounting; light gray