

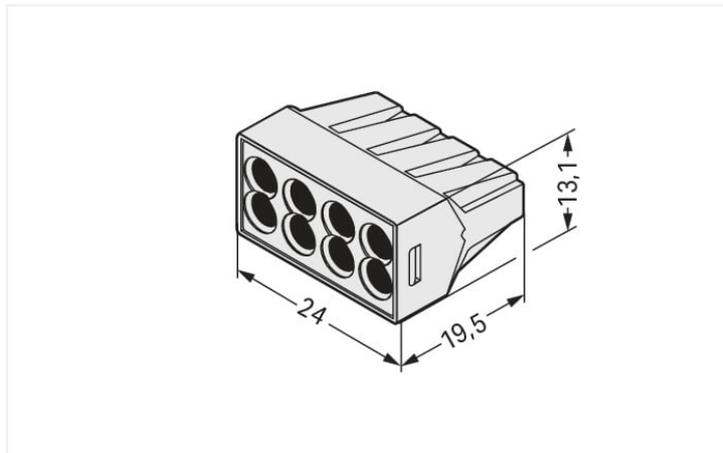
## Data Sheet | Item Number: 773-498

PUSH WIRE® splicing connector; for solid and stranded conductors; for Ex applications; max. 2.5 mm<sup>2</sup>; 8-conductor; light gray housing; light gray cover; Surrounding air temperature: max 60°C; 2,50 mm<sup>2</sup>; light gray

<https://www.wago.com/773-498>



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 it hits the product's backstop!
- Use original accessories!

**To be sold only with installation instructions!**

To be used only in conjunction with a mounting carrier (773-331).

Safety information 2

### 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	8
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 mm<sup>2</sup>/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 mm<sup>2</sup> = 16 A

4 mm<sup>2</sup> = 22 A

Solid conductor	0.75 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG
Stranded conductor	0.75 ... 2.5 mm <sup>2</sup> / 16 ... 12 AWG
Strip length	12 mm / 0.47 inches
Wiring direction	Side-entry wiring

## Physical data

Width	24 mm / 0.945 inches
Height	13.1 mm / 0.516 inches
Depth	19.5 mm / 0.768 inches

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	light gray
Cover color	light gray
Flammability class per UL94	V2
Fire load	0.101 MJ
Weight	4.7 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)	500 (50) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143026635
Customs tariff number	85369010000

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

General approvals			Approvals for hazardous areas		
 					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-101747	ATEX UL International Demko A/ S	EN 60079	DEMKO 03 ATEX 131845U Rev. 1 (II 2 G Ex eII C Gb)
UL UL International Germany GmbH	UL 486C	E69654	EAC Brjansker Zertifizierungs- stelle	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 773-498	<a href="#">↓</a>

**Documentation**

Bid Text			
773-498	19.02.2019	xml 3.15 KB	<a href="#">↓</a>
773-498	17.05.2017	doc 25.00 KB	<a href="#">↓</a>
ausschreiben.de 773-498 <a href="#">↓</a>			

CAD/CAE-Data

CAD data
2D/3D Models 773-498 

CAE data
EPLAN Data Portal 773-498 
WSCAD Universe 773-498 
ZUKEN Portal 773-498 

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 mm<sup>2</sup> / 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; light gray