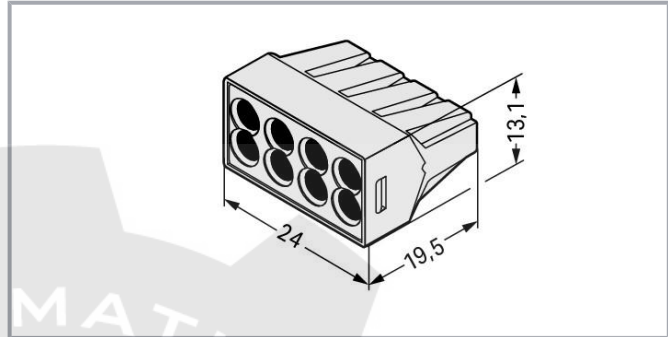


## Data sheet | Item number: 773-498

PUSH WIRE® connector for junction boxes; 8-conductor; suitable for Ex ee II applications; light gray housing; light gray face

[www.wago.com/773-498](http://www.wago.com/773-498)



### Item description

#### Note:

##### Terminating Aluminum Conductors

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 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

#### Safety information 1:

275 V at a distance < 10 mm to parts of other potentials

#### Safety information 2:

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

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.

## Data

### Electrical data

### IEC Approvals

Ratings per	EN 60079
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### Ex information

Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	24 A

### Connection data

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
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 inch
Total number of connection points	8
Total number of potentials	1
Wiring direction	Side-entry wiring

### Physical data

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

### Material data

Cover color	light gray
Flammability class per UL94	V2
Fire load	0.101 MJ
Weight	4.7 g

### Environmental requirements

Surrounding air temperature (operation)	60 °C
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Continuous operating temperature



105 °C

## Commercial data


Product Group	7 (Push Wire Conn.)
Packaging type	BOX
Country of origin	CN
GTIN	4055143026635
Customs tariff number	8536904000

## Approvals / Certificates


### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX UL International Demko A/S	EN 60079	DEMKO 03 ATEX 131845U (II 2 G Ex eIIC Gb)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE. AM02.B. 00127/19

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	KEMA/KEUR DEKRA Certification B.V.	EN 60998	71- 101747

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 486C	E69654


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## Optional accessories

### Mounting adapter

	Item no.: 773-331	
	Mounting carrier; 773 series PUSH WIRE® connectors for junction boxes; suitable for Ex ee II applications; light gray	<a href="http://www.wago.com/773-331">www.wago.com/773-331</a>

## Downloads

### Documentation

#### Bid Text

773-498	May 17, 2017	doc	Download
doc - Datei		25.6 kB	
773-498	Feb 19, 2019	xml	Download
X81 - Datei		3.2 kB	

#### Additional Information

Technical explanations	Apr 3, 2019	pdf	Download
		2.2 MB	

## CAD files

### CAD data

2D/3D Models 773-498	URL	Download
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### CAE data

EPLAN Data Portal 773-498	URL	Download
WSCAD Universe 773-498	URL	Download
ZUKEN Portal 773-498	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 773-498	URL	Download
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Subject to changes. Please also observe the further product documentation!



PUSH WIRE® connector for junction boxes; 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>

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## Installation Notes



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

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