

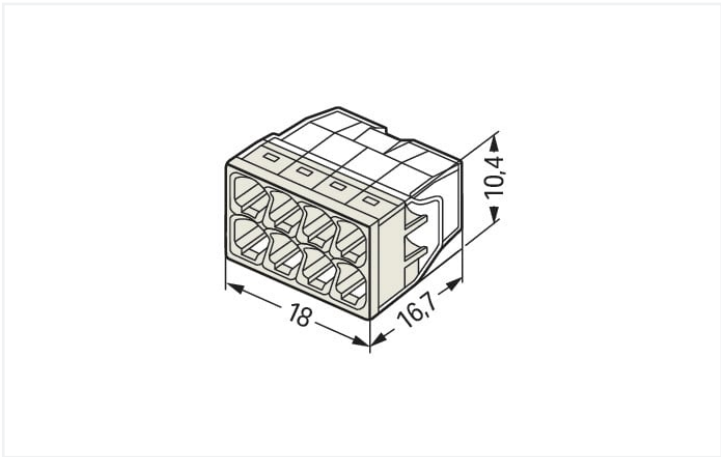
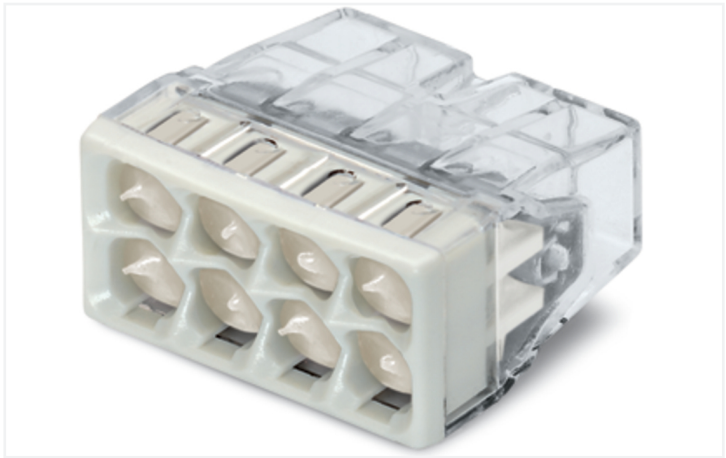
Data Sheet | Item Number: 2273-248

PUSH WIRE® splicing connector; for solid conductors; Alu-Plus contact paste; max. 2.5 mm²; 8-conductor; transparent housing; light gray cover; Surrounding air temperature: max 60°C (T60); 2,50 mm²; transparent

<https://www.wago.com/2273-248>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 2273 Series, Push-in

Easy electrical installations are guaranteed with push wire® splicing connector (item number 2273-248). The 2273 Series PUSH WIRE® connectors for junction boxes provide safe, quick, and easy installations in any building, no matter the position or location. Rated current and voltage are key factors to consider when selecting a splicing connector, as they determine the product's suitability for different applications. This product has a rated voltage of 450 V and a rated current of 24 A, making it suitable for high-load applications. Ensure that the strip lengths are 11 mm when connecting conductors to push wire® splicing connector. Featuring conductor terminals along with PUSH WIRE®, this connector is highly versatile. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. Dimensions: 18 x 10.4 x 16.7 mm (width x height x depth). Push wire® splicing connector is suitable for conductor cross sections ranging from 0.5 mm² to 2.5 mm². Tin is used for coating the contact surfaces.

Notes	
Safety management note	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 60998	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	450 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Connection data			
Clamping units	8	Connection 1	
Total number of potentials	1	Connection technology	PUSH WIRE®
		Actuation type	Push-in
		Connectable conductor materials	Copper Aluminum
		Connectable conductor materials (note)	Terminating Aluminum Conductors 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 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	0.5 ... 2.5 mm² / 20 ... 16 AWG
		Strip length	11 mm / 0.43 inches
		Wiring direction	Side-entry wiring

Physical data	
Width	18 mm / 0.709 inches
Height	10.4 mm / 0.409 inches
Depth	16.7 mm / 0.657 inches

Material data		
Note (material data)		Information on material specifications can be found here
Color	transparent	
Cover color	light gray	
Material group	IIIa	
Insulation material (main housing)	Polycarbonate (PC)	
Flammability class per UL94	V2	
Clamping spring material	Chrome-nickel spring steel (CrNi)	
Contact material	Electrolytic copper (E _{Cu})	
Contact Plating	Tin	
Fire load	0.046 MJ	
Weight	2.5 g	

Environmental requirements		
Ambient temperature (operation)	+60 °C	
Continuous operating temperature	105 °C	
Temperature marking per EN 60998	T60	

Commercial data		
Product Group	7 (Push Wire Conn.)	
ETIM 9.0	EC000446	
ETIM 8.0	EC000446	
PU (SPU)	500 (50) pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4050821032021	
Customs tariff number	85369010000	

Environmental Product Compliance		
RoHS Compliance Status	Compliant,No Exemption	

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40029794
		EU-Declaration of Conformity WAGO GmbH & Co. KG
		UK-Declaration of Conformity WAGO GmbH & Co. KG



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	15-HG1419918-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2273-248



CAD/CAE-Data

CAD data
2D/3D Models 2273-248



1 Compatible Products

1.1 Optional Accessories

1.1.1 Mounting adapter

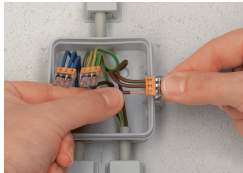
1.1.1.1 Mounting accessories



[Item No.: 2273-500](#)
Mounting carrier; for single- and double-
row con.; 2273 Series; for DIN-35 rail
mounting/screw mounting; orange

Installation Notes

Conductor termination



Strip solid conductor to 11 mm/0.43 inch (see marking).

The transparent housing shows if conductors are fully inserted; within the colored base, a clear port shows if the conductor's strip length is correct. Conductors are correctly stripped if the clear port shows no bare conductor on the unprinted connector side. Picture shows center conductor with exceeded strip length.

Termination: Insert the stripped solid conductor until it hits the backstop.

Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector.

Testing



Testing via test port opposite to conductor entry.