

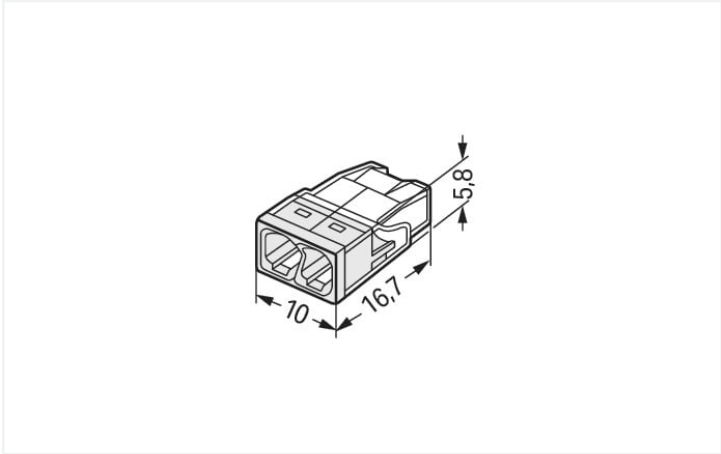
Data Sheet | Item Number: 2273-242

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

<https://www.wago.com/2273-242>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 2273 Series, PUSH WIRE®

Our push wire® splicing connector (item number 2273-242) is designed for seamless electrical installations. The 2273 Series PUSH WIRE® connectors for junction boxes provide safe, quick, and easy installations in any building, regardless of the complexity. Our splicing connector is rated for 450 V and is designed to handle a rated current of up to 24 A. It is therefore suitable for high-load applications. Ensure that the strip lengths are 11 mm when connecting conductors to push wire® splicing connector. This product incorporates conductor terminals and utilizes PUSH WIRE®. Our PUSH WIRE® connection is the simple and reliable method for connecting solid conductors. The item's dimensions are 18 x 5.8 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!
	To be sold only with installation instructions!

Safety Information

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	2
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 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	5.8 mm / 0.228 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	white
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	0.031 MJ
Weight	0.8 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)	1000 (100) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821031987
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	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 2273-242



CAD/CAE-Data

CAD data
2D/3D Models 2273-242



1 Compatible Products

1.1 Optional Accessories

1.1.1 Mounting adapter

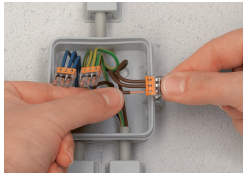
1.1.1.1 Mounting accessories



[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.