

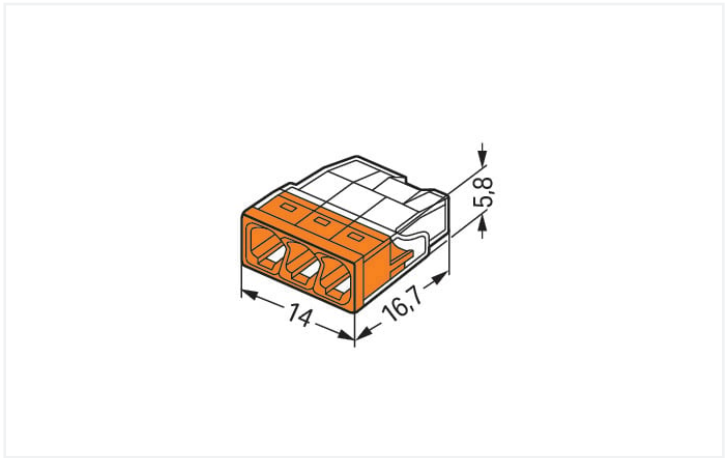
Data Sheet | Item Number: 2273-203

PUSH WIRE® splicing connector; for solid conductors; max. 2.5 mm²; 3-conductor; transparent housing; orange cover; Surrounding air temperature: max 60°C (T60); 2,50 mm²; transparent

<https://www.wago.com/2273-203>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 2273 Series, transparent

Easy electrical installations are guaranteed with push wire® splicing connector (item number 2273-203). This series of PUSH WIRE® connectors ensures safe and quick connections in both surface-mounted and flush-mounted junction boxes in any building, regardless of installation complexity. Our splicing connector is rated for 450 V and is designed to handle a rated current of up to 24 A. It can therefore be used in 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 product outperforms the competition. Our PUSH WIRE® connection offers a simple and reliable method for connecting solid conductors. Dimensions: 14 x 5.8 x 16.7 mm (width x height x depth). Depending on the type of conductor, push wire® splicing connector is suitable for conductor cross sections ranging from 0.5 mm² to 2.5 mm². The contact surface is coated with tin.

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!

in grounded power lines

Electrical data						
Ratings per		IEC/EN 60998			Approvals per	
					UL 486C	
Overvoltage category	III	III	II		Use group	B C D
Pollution degree	3	2	2		Rated voltage	- - -
Nominal voltage	-	-	450 V		Rated current	- - -
Rated surge voltage	-	-	4 kV			
Rated current	-	-	24 A			



Connection data		
Clamping units	3	
Total number of potentials	1	
Connection 1		
Connection technology	PUSH WIRE®	
Actuation type	Push-in	
Connectable conductor materials	Copper Aluminum	
Connectable conductor materials (note)	<p>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.</p> <p>"Alu-Plus" Contact Paste Advantages:</p> <ul style="list-style-type: none">• 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. <p>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.</p> <p>It is also possible to apply WAGO "Alu-Plus" additionally on the whole surface of the aluminum conductor before termination.</p> <p>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</p>	
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	14 mm / 0.551 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	orange	
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	0.019 MJ	
Weight	1 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.)
eCl@ss 10.0	27-14-11-04
eCl@ss 9.0	27-14-11-04
ETIM 9.0	EC000446
ETIM 8.0	EC000446
PU (SPU)	1000 (100) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821027850
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
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
VDE VDE Prüf- und Zertifizie- rungsinstitut	EN 60998	40029794	UK-Declaration of Confor- mity 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 2273-203

↓

Documentation				
Bid Text				
2273-203	19.02.2019	xml	3.17 KB	↓
2273-203	17.05.2017	doc	24.50 KB	↓
ausschreiben.de 2273-203				↓

CAD/CAE-Data				
CAD data		CAE data		
2D/3D Models 2273-203	↓	EPLAN Data Portal 2273-203		↓
		WSCAD Universe 2273-203		↓
		ZUKEN Portal 2273-203		↓

1 Compatible Products
1.1 Optional Accessories
1.1.1 General accessories
1.1.1.1 Moisture protection



[Item No.: 207-1332](#)
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray

1.1.2 Mounting adapter

1.1.2.1 Mounting accessories



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

1.1.3 Tool

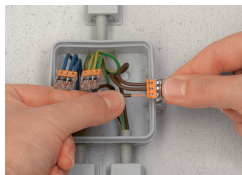
1.1.3.1 "Alu-Plus" contact paste



Item No.: 249-130
Syringe; Contents: 20 ml Alu-Plus contact paste

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.