

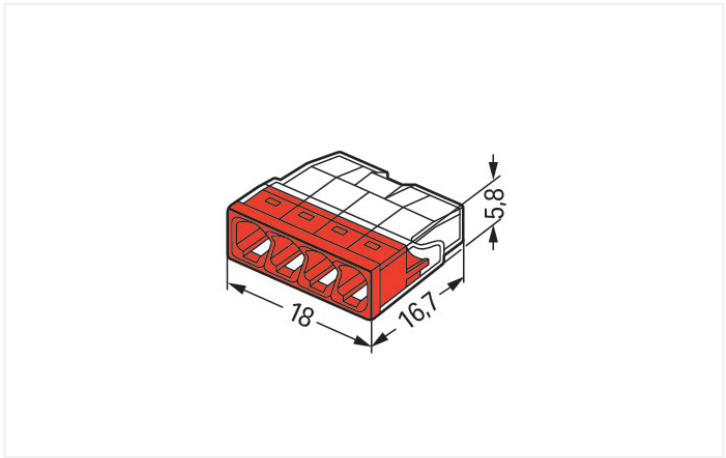
Data Sheet | Item Number: 2273-204

PUSH WIRE® splicing connector; for solid conductors; max. 2.5 mm²; 4-conductor; transparent housing; red cover; Surrounding air temperature: max 60°C (T60); 2,50 mm²; transparent

<https://www.wago.com/2273-204>



Color: ☐ transparent



Dimensions in mm

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

Our push wire® splicing connector (item number 2273-204) simplifies electrical installations. Quickly and securely connect conductors in any building installation with WAGO's 2273 Series PUSH WIRE® connectors, designed for both surface and flush-mounted junction boxes. Whether used in private or commercial applications, this series of PUSH WIRE® connectors for junction boxes ensures simple and time-saving installations. This splicing connector has a rated voltage of 450 V and can handle currents up to 24 A, making it ideal for high-load applications. Conductors should only be connected to push wire® splicing connector if their strip length is 11 mm. This product features conductor terminals and utilizes PUSH WIRE®. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. 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

General safety instructions

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			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	4	
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	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	red	
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	0.034 MJ	
Weight	1.3 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	4050821027867
Customs tariff number	85369010000

Product classification	
UNSPSC	39121409

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
 		
Approval	Standard	Certificate Name
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654
VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40029794
Approval	Standard	Certificate Name
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 Shipping	-	15-HG1419918-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA



Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 2273-204	

Documentation			
Bid Text			
2273-204	19.02.2019	xml 3.17 KB	
2273-204	17.05.2017	doc 24.50 KB	
ausschreiben.de 2273-204			

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2273-204	EPLAN Data Portal 2273-204
	WSCAD Universe 2273-204
	ZUKEN Portal 2273-204

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



[Item No.: 207-1331](#)
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray

[Item No.: 207-1333](#)
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 3; 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

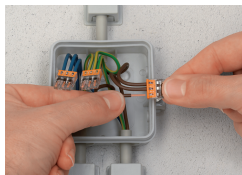
1.1.3.1 "Alu-Plus" contact paste



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.