

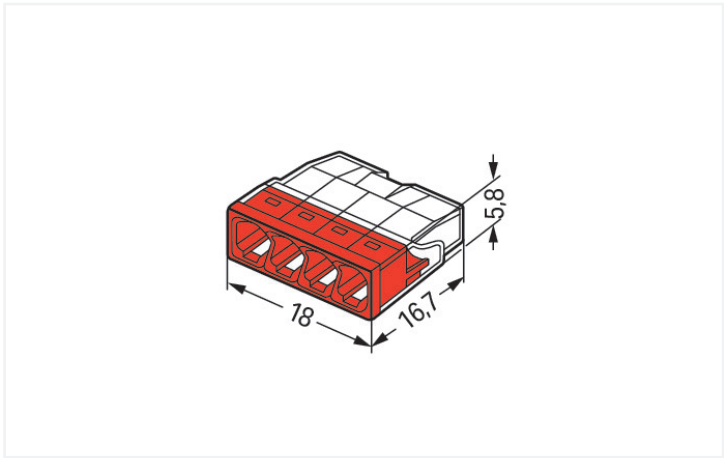
Data Sheet | Item Number: 2273-204

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, transparent

Our push wire® splicing connector (item number 2273-204) is designed for seamless 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. Strip lengths must be 11 mm when connecting conductors to push wire® splicing connector. Rated current and voltage are important parameters when selecting a splicing connector, as they indicate possible applications and uses. This product has a rated voltage of 450 V and a rated current of 24 A, making it suitable for high-load applications. This product features conductor terminals and utilizes PUSH WIRE®. Our PUSH WIRE® connection offers a 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). Depending on the type of conductor, push wire® splicing connector is designed for conductor cross sections ranging from 0.5 mm² to 2.5 mm².

Tin is used for coating the contact surfaces.

Notes	
General safety information	NOTICE: Observe installation and safety instructions! <ul style="list-style-type: none">• 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			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 impulse withstand 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)	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: <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. 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	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	0.024 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.)	
PU (SPU)	1000 (100) pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4050821027867	
Customs tariff number	85369010000	

Product Classification		
UNSPSC	39121409	
eCl@ss 10.0	27-14-11-04	
eCl@ss 9.0	27-14-11-04	
ETIM 9.0	EC000446	
ETIM 8.0	EC000446	
ECCN	NO US CLASSIFICATION	

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	-	23-2417173-PDA
LR Lloyds Register	EN 60998	LR22207029TA
PRS Polski Rejestr Statków	EN 60998	TE/1093/880590/23

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
2D/3D Models 2273-204



CAE data
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

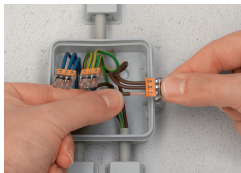
Installation Notes

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.