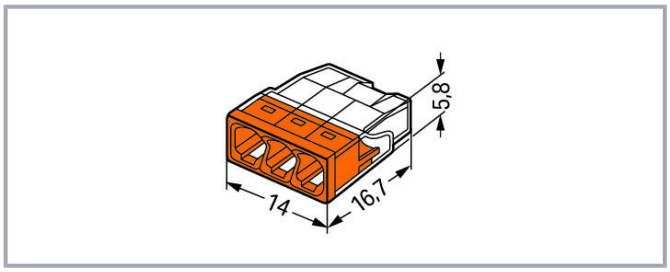
Data sheet | Item number: 2273-203

COMPACT PUSH WIRE® connector for junction boxes; 3-conductor; transparent housing; orange face

www.wago.com/2273-203



Item description

Advantages:

- Convenient wiring via an extremely compact design
- Push-in termination of up to eight solid conductors
- Cross-section range: 0.5 … 2.5 mm²
- Any combination of conductor sizes is possible
- PUSH WIRE® connection terminates solid (“s”) copper conductors

Data

Notes

Safety information 1	in grounded power lines

Electrical data

IEC Approvals

Ratings per	IEC/EN 60998
Nominal voltage (II/2)	450 V
Rated surge voltage (II/2)	4 kV

Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
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Rated current	24 A
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2

UL Approvals

Approvals per	UL 486C
Bemessungsspannung UL	600 V
Bemessungsstrom UL	20 A

Connection data

Total number of connection points	3
Total number of potentials	1

Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
Note on connectable conductor materials	WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO “Alu-Plus” Contact Paste 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.

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	For spring clamp 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 inch
Wiring direction	Side-entry wiring

Physical data

Width	14 mm / 0.551 inch
Height	5.8 mm / 0.228 inch
Depth	16.7 mm / 0.657 inch

Material data

Note on material data	Information on material data can be found here
Color	transparent
Cover color	orange
Flammability class per UL94	V2
Fire load	0.019 MJ
Weight	1 g

Environmental requirements

Surrounding air 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) Stück

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Packaging type	box
Country of origin	DE
GTIN	4050821027850
Customs tariff number	8536904000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40029794

Ship Approvals

Logo	Approval	Additional Approval Text	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	04/20013 (E8)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654

Optional accessories

Mounting adapter

Mounting accessories

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

www.wago.com/2273-500

Subject to changes. Please also observe the further product documentation!

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mounting; orange

Downloads

Documentation

Bid Text

2273-203 X81 - Datei	2019 Feb 19	xml 3.2 kB	Download
2273-203 doc - Datei	2017 May 17	doc 25.1 kB	Download

Additional Information

Technical explanations		pdf 2.2 MB	Download
		pdf 125.0 kB	Download

CAD files

CAD data

2D/3D Models 2273-203	URL	Download

CAE data

EPLAN Data Portal 2273-203	URL	Download
WSCAD Universe 2273-203	URL	Download
ZUKEN Portal 2273-203	URL	Download

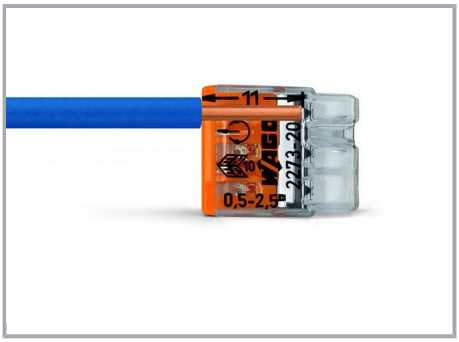
Environmental Product Compliance

Compliance Search

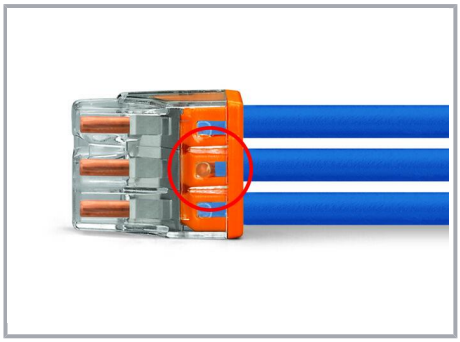
Environmental Product Compliance 2273-203 COMPACT splicing connector; for solid conductors; max. 2.5 mm²; 3-conductor; transparent housing; orange cover; Surrounding air temperature: max 60°C (T60); 2,50 mm²	URL	Download

Installation Notes

Conductor termination

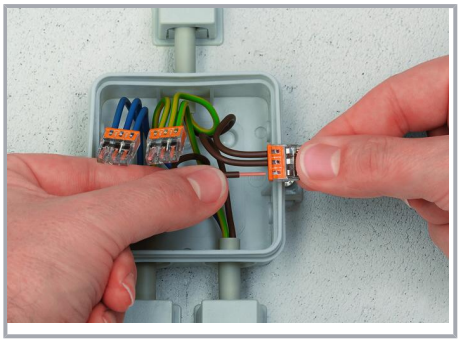


Strip solid conductor to 11 mm/0.43 inch (see marking).

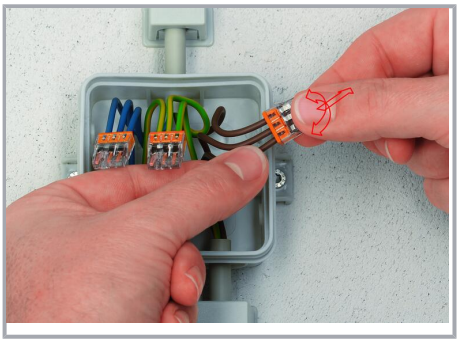


The transparent housing shows if conductors are fully inserted; within the colored base, a clear port shows if the conductor's strip length is correct.

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.

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