

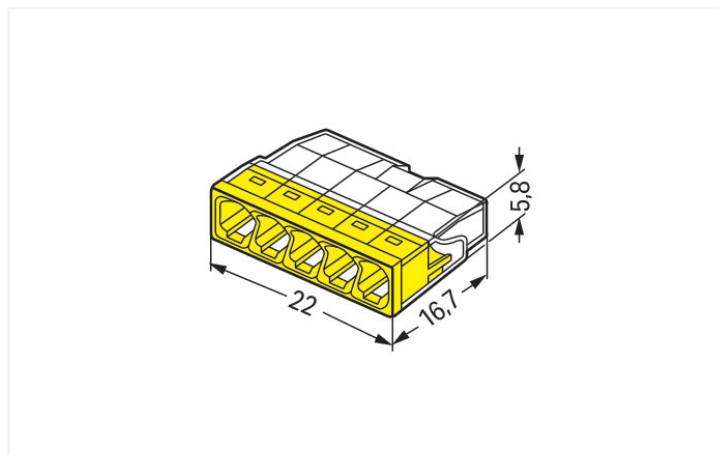
## Data Sheet | Item Number: 2273-205

Conector de îmbinare PUSH WIRE®; pentru conductori unifilari; max. 2,5 mm<sup>2</sup>; 5 conductori; carcasă transparentă; capac galben; Temperatură aer ambiant: max 60°C (T60); 2,50 mm<sup>2</sup>; transparent

<https://www.wago.com/2273-205>



Color:  transparent



Dimensions in mm

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

Push wire® splicing connector (item number 2273-205) simplifies electrical installations. The 2273 Series PUSH WIRE® connectors for junction boxes provide safe, quick, and easy installations in any building, no matter the position or location. This splicing connector has a rated voltage of 450 V and can handle currents up to 24 A, making it suitable 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 offers a quick and simple solution for connecting solid conductors. The dimensions are 22 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 mm<sup>2</sup> to 2.5 mm<sup>2</sup>. 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!

**To be sold only with installation instructions!**

Safety Information

in grounded power lines

### Electrical data

Ratings per	IEC/EN 60998		
Overtoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	450 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Approvals per	UL 486C		
Use group	B	C	D
Rated voltage	-	-	-
Rated current	-	-	-

## Connection data

Clamping units	5	<b>Connection 1</b>	
Total number of potentials	1	Connection technology	PUSH WIRE®
		Actuation type	Push-in
		Connectable conductor materials	Copper Aluminum
		Connectable conductor materials (note)	<p><b>Terminating Aluminum Conductors</b> WAGO Spring-Clamp Terminal Blocks are suitable for solid aluminum conductors up to 4 mm<sup>2</sup>/12 AWG if WAGO "Alu-Plus" Contact Paste <a href="#">249-130</a> is used for termination.</p> <p>"Alu-Plus" Contact Paste Advantages:</p> <ul style="list-style-type: none"> <li>• Automatically destroys the oxide film during clamping.</li> <li>• Prevents fresh oxidation at the clamping point.</li> <li>• Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).</li> <li>• Provides long-term protection against corrosion.</li> </ul> <p>For spring pressure connections with PUSH WIRE® connection technology, <b>WAGO recommends that the aluminum conductor first be cleaned</b> 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" <b>additionally</b> 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 mm<sup>2</sup> = 16 A 4 mm<sup>2</sup> = 22 A</p>
		Solid conductor	0,5 ... 2,5 mm <sup>2</sup> / 20 ... 16 AWG
		Strip length	11 mm / 0.43 inci
		Wiring direction	Side-entry wiring

## Physical data

Width	22 mm / 0.866 inci
Height	5,8 mm / 0.228 inci
Depth	16,7 mm / 0.657 inci

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Cover color	yellow
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 <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.039 MJ
Weight	1.6 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) Buc.
Packaging type	Box
Country of origin	DE
GTIN	4050821027874
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
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### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654
VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40029794

#### Declarations of conformity and manufacturer's declarations

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 2273-205

## Documentation

## Bid Text


2273-205	19.02.2019	xml 3.17 KB	
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2273-205	17.05.2017	doc 24.50 KB	
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ausschreiben.de 2273-205			
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## CAD/CAE-Data

## CAD data

2D/3D Models 2273-205	
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## CAE data

EPLAN Data Portal 2273-205	
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WSCAD Universe 2273-205	
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ZUKEN Portal 2273-205	
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## 1 Compatible Products

## 1.1 Optional Accessories

## 1.1.1 Mounting adapter

## 1.1.1.1 Mounting accessories

Item No.: [2273-500](#)

Support de montaj; pentru con. cu una și două linii; Seria 2273; pt mont. pe șină DIN 35/montare cu șurub; portocaliu

## 1.1.2 Tool

### 1.1.2.1 "Alu-Plus" contact paste

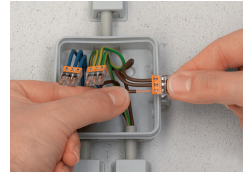


#### Item No.: 249-130

Seringă; Conținut: 20 ml de pastă de contact „Alu-Plus”

## 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.