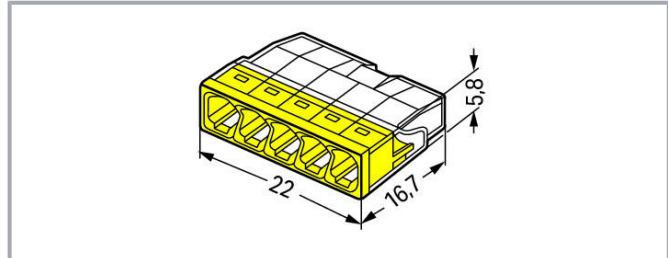


## Data sheet | Item number: 2273-205

COMPACT splicing connector; for solid conductors; max. 2.5 mm<sup>2</sup>; 5-conductor; transparent housing; yellow cover; Surrounding air temperature: max 60°C (T60); 2,50 mm<sup>2</sup>; transparent

[www.wago.com/2273-205](http://www.wago.com/2273-205)



### Item description

Advantages:

- Convenient wiring via extremely compact design
- Push-in termination of up to eight solid conductors
- Cross-section range: 0.5 ... 2.5 mm<sup>2</sup>
- 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

#### Ratings per IEC/EN

Ratings per	IEC/EN 60998
Nominal voltage (II/2)	450 V
Rated surge voltage (II/2)	4 kV
Rated current	24 A
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2

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

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## Ratings per UL

Approvals per	UL 486C
Rated voltage (UL)	600 V
Rated current UL	20 A

## Connection data

Total number of connection points	5
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 mm<sup>2</sup>/12 AWG if WAGO "Alu-Plus" Contact Paste 249-130 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.

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 mm<sup>2</sup> = 16 A

4 mm<sup>2</sup> = 22 A

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Solid conductor	0.5 ... 2.5 mm <sup>2</sup> / 20 ... 16 AWG
Strip length	11 mm / 0.43 inch
Wiring direction	Side-entry wiring

### Physical data

Width	22 mm / 0.866 inch
Height	5.8 mm / 0.228 inch
Depth	16.7 mm / 0.657 inch

### Material data

Note (material data)	Information on material data can be found here
Color	yellow
Cover color	yellow
Flammability class per UL94	V2
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) Stück
Packaging type	box
Country of origin VKOrg Germany	DE
GTIN	4050821027874
Customs tariff number VKOrg Germany	85369010000

### Approvals / Certificates

#### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>VDE</b> VDE Prüf- und Zertifizierungsinstitut	EN 60998	40029794



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## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	15- HG1419918- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T
	<b>LR</b> Lloyds Register	EN 60998	04/20013 (E8)

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>cULus_Listed_667F</b> 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 mounting; orange

[www.wago.com/2273-500](http://www.wago.com/2273-500)

## Tool

## "Alu-Plus" contact paste

**Item no.: 249-130**

Syringe; Contents: 20 ml Alu-Plus contact paste

[www.wago.com/249-130](http://www.wago.com/249-130)

## Downloads

## Documentation

## Bid Text

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

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2273-205 doc - Datei	17 mei 2017	doc 25.1 kB	Download
ausschreiben.de 2273-205		URL	Download

#### Additional Information

Technical Section Technical explanations		pdf 2.2 MB	Download
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#### CAD/CAE-Data

##### CAE data

EPLAN Data Portal 2273-205		URL	Download
WSCAD Universe 2273-205		URL	Download
ZUKEN Portal 2273-205		URL	Download

##### CAD data

2D/3D Models 2273-205		URL	Download
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#### Environmental Product Compliance

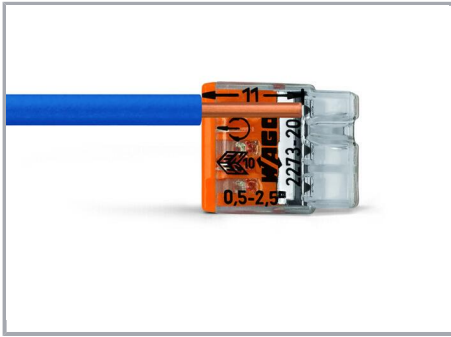
##### Compliance Search

Environmental Product Compliance 2273-205 COMPACT splicing connector; for solid conductors; max. 2.5 mm <sup>2</sup> ; 5-conductor; transparent housing; yellow cover; Surrounding air temperature: max 60°C (T60); 2,50 mm <sup>2</sup> ; transparent		URL	Download
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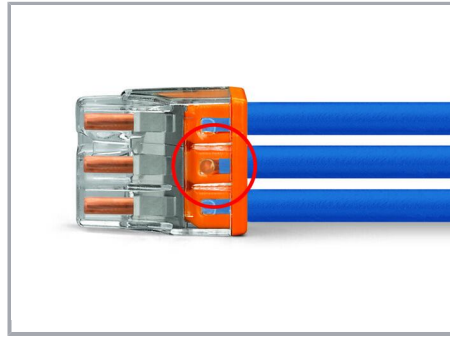
#### Installation Notes

##### Conductor termination

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

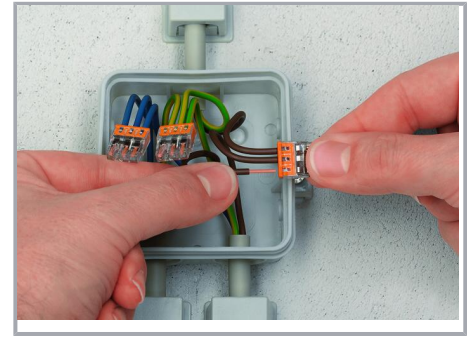


Strip solid conductor to 11 mm/0.43 inch (see marking).

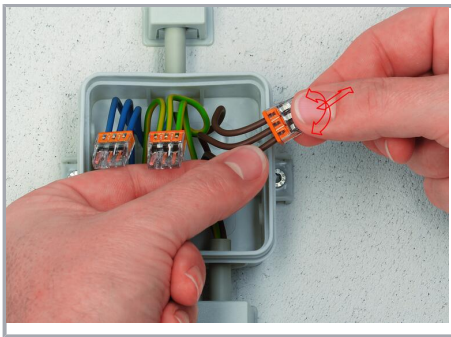


The transparent housing shows if conductors are fully inserted; within the colored base, a clear port shows if the conductor's strip length is correct.

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

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



Testing via test port opposite to conductor entry.

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