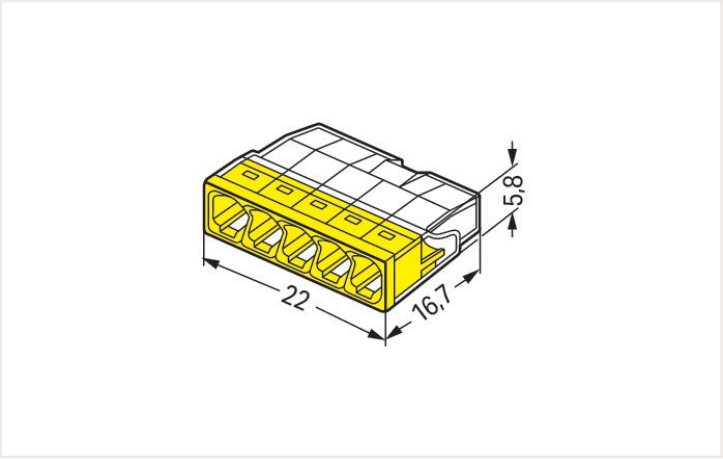
Data sheet | Item number: 2273-205

COMPACT splicing connector; for solid conductors; max. 2.5 mm²; 5-conductor; transparent housing; yellow cover; Surrounding air temperature: max 60°C (T60); 2,50 mm²; transparent





Dimensions in mm

Advantages:

- Convenient wiring via 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

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

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

Connection 1

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: • 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 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	22 mm / 0.866 inches
Height	5.8 mm / 0.228 inches
Depth	16.7 mm / 0.657 inches

Material data

Note (material data)	Information on material data can be found here
Color	transparent
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

Continued on next page

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 8.0	EC000446
ETIM 7.0	EC000446
PU (SPU)	1000 (100) Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4050821027874
Customs tariff number VKOrg Germany	85369010000

Approvals and certificates

Country specific Approvals

Approval	Standard	Certificate name
VDE VDE Prüf- und Zertifizierungsinstitut	EN 60998	40029794

Ship Approvals

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	04/20013 (E8)

UL-Approvals

Approval	Standard	Certificate name
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2273-205

Documentation

Additional Information

Technical Section	pdf 2142.18 KB	

Bid Text

2273-205	19.02.2019	xml 3.17 KB
2273-205	17.05.2017	doc 24.50 KB
ausschreiben.de 2273-205		

CAD/CAE-Data

CAD data

2D/3D Models
2273-205

CAE data

EPLAN Data Portal
2273-205

WSCAD Universe
2273-205

ZUKEN Portal
2273-205

Installation notes

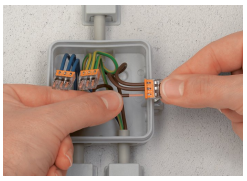
Conductor termination



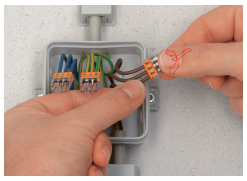
Strip solid conductor to 11 mm/0.43 inch (see marking).



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.