

Conector de îmbinare PUSH WIRE®; pentru conductori unifilari; max. 2,5 mm²; 4 conductori; carcasă transparentă; capac roșu; Temperatură aer ambiant: max 60°C (T60); 2,50 mm²; transparent



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

Safety management note

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		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 surge voltage	-	-	4 kV				
Rated current	-	-	24 A				

Connection data

Clamping units	4	Connection 1	
Total number of potentials	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: • 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 inci
		Wiring direction	Side-entry wiring

Physical data

Width	18 mm / 0.709 inci
Height	5,8 mm / 0.228 inci
Depth	16,7 mm / 0.657 inci

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	0.034 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	
ETIM 9.0	EC000446
ETIM 8.0	EC000446
PU (SPU)	360 (20) Buc.
Packaging type	Blister foil
Country of origin	DE
GTIN	4066966001730
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

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Environmental Product Compliance

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2273-204/995-020

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1 Compatible Products
1.1 Optional Accessories
1.1.1 General accessories
1.1.1.1 Moisture protection



[Item No.: 207-1331](#)
Gelbox; Derivație; pentru cabluri; cu gel;
Seriile 221, 2x73; conectori de max. 4
mm²; fără conectori pentru cutia de jon-
cțiune; Mărimea 1; gri



[Item No.: 207-1333](#)
Gelbox; Derivație; pentru cabluri; cu gel;
Seriile 221, 2x73; conectori de max. 4
mm²; fără conectori pentru cutia de jon-
cțiune; Mărimea 3; gri

1.1.2 Mounting adapter
1.1.2.1 Mounting accessories

[Item No.: 2273-500](#)
Suport de montaj; pentru con. cu una și
două linii; Seria 2273; pt mont. pe șină DIN
35/montare cu șurub; portocaliu

1.1.3 Tool

1.1.3.1 "Alu-Plus" contact paste



Item No.: 249-130

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

Installation Notes

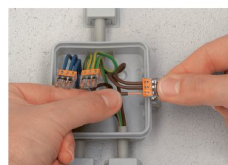
Conductor termination



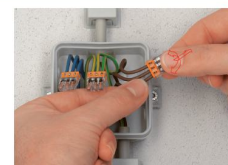
Strip solid conductor to 11 mm/0.43 inch (see marking).



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.

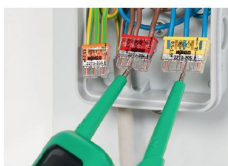


Termination: Insert the stripped solid conductor until it hits the backstop.



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.