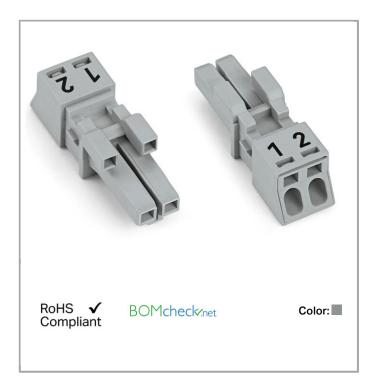
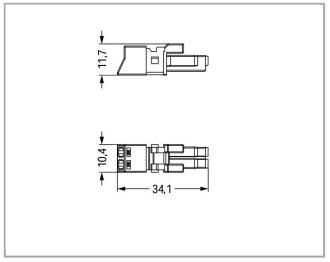
Socket; 2-pole; Cod. B; 1,50 mm2; gray

890-242_060-000







Item description

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

Note:

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug /socket).

Safety information 1:

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

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Data

Electrical data

Note on Contact Resistance	approx. $1m\Omega$ contact resistance approx. $0.25m\Omega$ contact transition	
	plug/socket	

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated current	16 A

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	14 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
	Push-in
Nominal cross section	1.5 mm²
Solid conductor	0.25 1.5 mm ² / 22 16 AWG
Solid conductor, push-in termination	0.75 1.5 mm ² / 20 16 AWG
Stranded conductor	0.25 1 mm ² / 22 18 AWG
Fine-stranded conductor	0.25 1.5 mm ² / 22 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 0.75 mm ² / 22 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 0.75 mm ² / 22 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
Total number of connection points	2
Total number of potentials	2
Conductor entry direction to mating direction	0°
No. of poles	2

Geometrical Data

Pin spacing	4.4 mm / 0.173 inch
Width	10.4 mm / 0.409 inch
Height	11.7 mm / 0.461 inch
Depth	34.1 mm / 1.343 inch

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Mechanical data

Commercial data

Country of origin

Coding	В
Mating force of a plug-in connection	approx. 20 70 N (depending on pole number)
Retention force of a plug-in connection	When locked: > 80 N
Unmating force of a plug-in connection	when unlocked: approx. 20 70 N (depending on pole number)
Number of mating cycles	200, without resistive load 100, with resistive load I _N = 16 A, tested (1.5 mm²/16 AWG)
Marking	LN
Protection class	IP20
Note on protection class	Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)
Potential marking	LN
Plug connection Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductors
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	no
Material Data	
Color	gray
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	VO
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.052 MJ
Weight	4.215 g
Environmental Requirements	
Processing temperature	-5 +40 ℃
Continuous operating temperature	-35 +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures ≤ 105 °C

PL

890-242_060-000



GTIN	4055143499620
Customs Tariff No.	85366990990

Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	name
DIAGONAL PROPERTY OF THE PROPE	LR Lloyds Register	EN 61535	08/20047 (E2)

Other Approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	UL	UL 1977	E45171
. 71	UL International Germany GmbH		

Compatible products

Strain relief plate

11	Item no.: 890-502 Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 30 mm; black		890-502	
44	Item no.: 890-502/342-000		890-502	
(A)	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 17.5 mm; black	1342-000		
0.6	Item no.: 890-512		000 510	
11/1	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 30 mm; white		890-512	
	Item no.: 890-512/342-000		890-512	
	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 17.5 mm; white	/342-000		
Locking lev	er			
	Item no.: 890-101		000 101	
***	Locking lever; for manual operation; black		890-101	
	Item no.: 890-111		890-111	
	Locking lever; for flying leads; for tool operation; black		030-111	
1832	Item no.: 890-121		890-121	
200	Locking lever; for manual operation; white		000 121	

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Item no.: 890-382

Operating tool; 2-way; green



890-382

1	Item no.: 890-131 Locking lever; for flying leads; for tool operation; white	890-131
assemblin	ng	
200	Item no.: 890-310	890-310
4	Mounting carrier; 2- to 5-pole; for flying leads; black	090-310
14	Item no.: 890-311	890-311
	Mounting carrier; 2- to 5-pole; for flying leads; white	890-311
tools		
1	Item no.: 210-719	210-719
	Operating to all Plades 2.5 v. 0.4 mms with a partially insulated aboft	210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Downloads

Documentation

Bid Text

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CAD/CAE - Smart Data

CAD data

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Subject to changes.