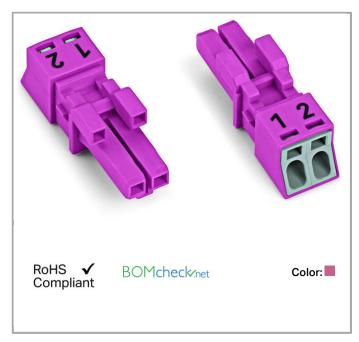
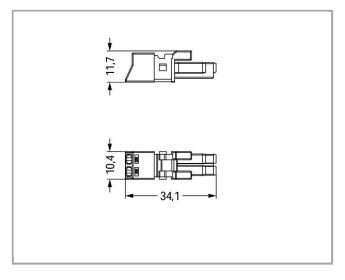
Socket; 2-pole; Cod. B

890-282/080-000







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.

Data

Electrical data

Note on Contact Resistance

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

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

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
	250,
	100, with resistive load $I_N = 16 \text{ A}$, tested (1.5 mm ² /16 AWG)
Marking	+ -
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	+ -
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	
	nink.
Color Inquisting material	pink Polyomida 66 (DA 66)
Insulating material	Polyamide 66 (PA 66) V0
Flammability class per UL94 Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.052 MJ
Weight	2.596 g
weight	2.550 g
Environmental Requirements	
Surrounding air (operating) temperature	-35 85 ℃
Processing temperature	-5 +40 °C
Processing temperature Continuous operating temperature	-5 +40 °C -35 +85 °C

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Commercial data

Country of origin	DE
GTIN	4050821515470
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-52879
KEMA	CB DEKRA Certification B.V.	EN 61984	71- 100413

UL-Approvals

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



Compatible products

Locking lever

	Item no.: 890-101	000 101
	Locking lever; for manual operation	890-101
	Item no.: 890-111	890-111
	Locking lever; for flying leads; for tool operation	090-111
	Item no.: 890-121	890-121
1	Locking lever; for manual operation	090-121
	Item no.: 890-131	890-131
	Locking lever; for flying leads; for tool operation	890-131
ools		
1	Item no.: 210-719	210-719
	Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm	210-719
	Item no.: 890-382	890-382
	Operating tool; 2-way	890-382

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assembling

a city	Item no.: 890-310		890-310
1	Mounting carrier; 2- to 5-pole; for flying leads		890-310
6.00	Item no.: 890-311		890-311
AC.	Mounting carrier; 2- to 5-pole; for flying leads		890-311
Strain relie	f plate		
	Item no.: 890-502		890-502
1 10 m	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 30 mm		890-502
	Item no.: 890-502/342-000		890-502
	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 17.5 mm	1342-000	
13.73	Item no.: 890-512		000 F12
10 19	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 30 mm		890-512
	Item no.: 890-512/342-000		890-512
0	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 17.5 mm	/342-000	

Downloads

Documentation

Bid Text

890-282/080-000	doc	Download
	24.1 kB	

CAD/CAE - Smart Data

CAD data

3D Download 890-282/080-000	URL	Download

Subject to changes.