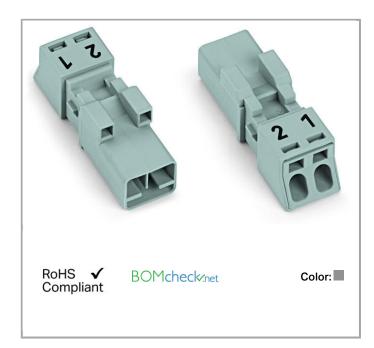
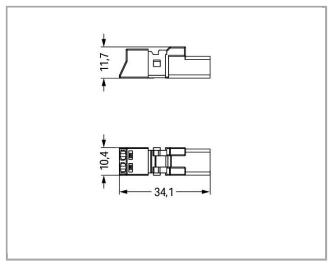
Plug; 2-pole; Cod. B

890-252







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

890-252



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)	14A

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

890-252



Mechanical data

wiechanical 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
	100, with resistive load $I_N = 16 \text{ A}$, tested (1.5 mm ² /16 AWG)
Marking	12
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	12
Plug connection	
Contact type (pluggable connector)	Male connector/plug
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	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.056 MJ

Environmental Requirements

Weight

Surrounding air (operating) temperature	-35 85 °C
Processing temperature	-5 +40 °C
Continuous operating temperature	-35 +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures ≤ 105 °C

2.474 g

890-252



Certificate

Commercial data

Product Group	20 (WINSTA)
Country of origin	PL
GTIN	4055143499675
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	name
KEMA	CB DEKRA Certification B.V.	EN 61984	71-100413
	CB DEKRA Certification B.V.	IEC 61984	NL-52879
	CB DEKRA Certification B.V.	IEC 61984	NL-47679
KEMA	CCA DEKRA Certification B.V.	EN 60320	2148952.04

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
DNV-GL	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
DNV-GL	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
c SN us	UL UL International Germany GmbH	UL 1977	E45171
. AL s	UL UL International Germany GmbH	UL 1977	E45171

890-252



Compatible products

Locking lever

	Item no.: 890-101	890-101
	Locking lever; for manual operation	030 101
40	Item no.: 890-111	000 111
	Locking lever; for flying leads; for tool operation	890-111
	Item no.: 890-121	890-121
3	Locking lever; for manual operation	890-121
	Item no.: 890-131	890-131
	Locking lever; for flying leads; for tool operation	090-131
Strain relief	plate	
	Item no.: 890-502	890-502
A A	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 30 mm	000 002
	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	
13.73	Item no.: 890-512	890-512
10 10	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 30 mm	890-312
	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	JU
tools		
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
1	Operating tool; 2-way	090-302
assembling		
S. Cital	Item no.: 890-310	890-310
- B	Mounting carrier; 2- to 5-pole; for flying leads	230 010
6.00	Item no.: 890-311	890-311
1	Mounting carrier; 2- to 5-pole; for flying leads	030-311

Downloads

Documentation

Bid Text

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CAD/CAE - Smart Data

CAD data

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Subject to changes.