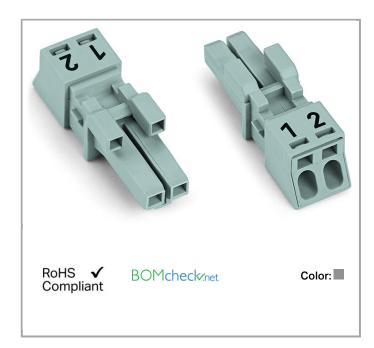
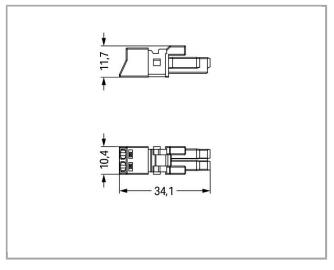
Socket; 2-pole; Cod. B

890-242







### 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

approx.  $1m\Omega$  contact resistance

890-242



approx.  $0.25m\Omega$  contact transition plug/socket

Ratings	per l	EC/EN	60664-1
i va tii i i go	PCII	LO/LI	0000 <del>-</del> 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

### Mechanical data

Coding	В
Mating force of a plug-in connection	approx. 20 70 N (depending on pole number)

890-242



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 <sup>2</sup> /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)	Female connector/socket
Connector connection type	for conductors
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking of plug-in confidention	locking level
Locking lever	no
Locking lever	
Locking lever  Material Data  Color	gray
Locking lever  Material Data  Color  Insulating material	gray Polyamide 66 (PA 66)
Locking lever  Material Data  Color Insulating material Flammability class per UL94	gray Polyamide 66 (PA 66) V0
Locking lever  Material Data  Color Insulating material Flammability class per UL94 Clamping spring material	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi)
Locking lever  Material Data  Color Insulating material Flammability class per UL94 Clamping spring material Contact material	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated
Locking lever  Material Data  Color Insulating material Flammability class per UL94  Clamping spring material  Contact material  Fire load	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ
Locking lever  Material Data  Color Insulating material Flammability class per UL94 Clamping spring material Contact material	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated
Locking lever  Material Data  Color Insulating material Flammability class per UL94  Clamping spring material  Contact material  Fire load  Weight	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ
Locking lever  Material Data  Color Insulating material Flammability class per UL94  Clamping spring material  Contact material  Fire load  Weight	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ
Locking lever  Material Data  Color Insulating material Flammability class per UL94  Clamping spring material  Contact material  Fire load  Weight  Environmental Requirements	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ 2.6 g
Locking lever  Material Data  Color Insulating material Flammability class per UL94 Clamping spring material Contact material Fire load Weight  Environmental Requirements Surrounding air (operating) temperature	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ 2.6 g
Locking lever  Material Data  Color Insulating material Flammability class per UL94  Clamping spring material  Contact material  Fire load  Weight  Environmental Requirements  Surrounding air (operating) temperature  Processing temperature	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ 2.6 g  -35 85 °C -5 +40 °C
Locking lever  Material Data  Color Insulating material Flammability class per UL94  Clamping spring material  Contact material  Fire load  Weight  Environmental Requirements  Surrounding air (operating) temperature  Processing temperature  Continuous operating temperature	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ 2.6 g  -35 85 °C -5 +40 °C -35 +85 °C
Locking lever  Material Data  Color Insulating material Flammability class per UL94 Clamping spring material Contact material Fire load Weight  Environmental Requirements Surrounding air (operating) temperature Processing temperature Continuous operating temperature Note on Continuous Service Temperature	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ 2.6 g  -35 85 °C -5 +40 °C -35 +85 °C
Locking lever  Material Data  Color Insulating material Flammability class per UL94  Clamping spring material  Contact material  Fire load  Weight  Environmental Requirements  Surrounding air (operating) temperature  Processing temperature  Continuous operating temperature	gray Polyamide 66 (PA 66) V0 Chrome nickel spring steel (CrNi) Copper or copper alloy, surface-treated 0.052 MJ 2.6 g  -35 85 °C -5 +40 °C -35 +85 °C
Locking lever  Material Data  Color Insulating material Flammability class per UL94 Clamping spring material Contact material Fire load Weight  Environmental Requirements Surrounding air (operating) temperature Processing temperature Continuous operating temperature Note on Continuous Service Temperature	gray  Polyamide 66 (PA 66)  V0  Chrome nickel spring steel (CrNi)  Copper or copper alloy, surface-treated  0.052 MJ  2.6 g  -35 85 °C  -5 +40 °C  -35 +85 °C  Insulating parts for temperatures ≤ 105 °C

890-242



Customs Ta	stoms Tariff No. 85366990990		
Approvals <i>i</i>	/ Certificates		
Country spec	ific Approvals		
Logo	Approval	Additional Approval Text	Certificate 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 Approva	als Approval	Additional Approval Text	Certificate name
DNV-GL MARITIME	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
DNV-GL MARITIME	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
UL-Approvals	S		
Logo	Approval	Additional Approval Text	Certificate name
c <b>711</b> °us	<b>UL</b> UL International Germany GmbH	UL 1977	E45171
	UL UL International Germany GmbH	UL 1977	E45171

### Compatible products

890-242



### Locking lever

_			
	Item no.: 890-101		890-101
	Locking lever; for manual operation		
	Item no.: 890-111		890-111
	Locking lever; for flying leads; for tool operation		890-111
	Item no.: 890-121		890-121
	Locking lever; for manual operation		
	Item no.: 890-131		000 101
	Locking lever; for flying leads; for tool operation		890-131
tools			
	Item no.: 210-719		210-719
	Operating tool with partially insulated shaft; Type 1, blade (2.5 $\times$ 0.4) mm		210-719
	Item no.: 890-382		890-382
1	Operating tool; 2-way		690-362
Strain relief	plate		
	Item no.: 890-502		890-502
A 10	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 30 mm		890-302
	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		000 510
10 19	Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 8.2 mm; 30 mm		890-512
· 1	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	/342-000	
assembling			
S. Citt	Item no.: 890-310		890-310
A. C. C.	Mounting carrier; 2- to 5-pole; for flying leads		030-010
6.24	Item no.: 890-311		890-311
AL.	Mounting carrier; 2- to 5-pole; for flying leads		090-311

### Downloads

### Documentation

### **Bid Text**

890-242	Apr 4, 2012	doc	Download
WINSTA MINI 2-polig		23.6 kB	

890-242



**CAD/CAE - Smart Data** 

CAD data

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 $\label{eq:Subject to changes.} Subject to changes.$