

### Item description

- Protected against mismatching 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. 1mΩ contact resistance approx. 0.25mΩ contact transition plug/socket
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### 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		
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

## Mechanical data

Coding	B
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 mm <sup>2</sup> /16 AWG)
Marking	L N
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	L N

## 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
Weight	2.46 g

## Environmental Requirements

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

## Commercial data

Country of origin	PL
GTIN	4055143499644

Customs Tariff No.


85366990990

## Approvals / Certificates


### Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-47679


### Country specific Approvals

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

### Ship Approvals



Logo	Approval	Additional Approval Text	Certificate name
	<b>LR</b> Lloyds Register	EN 61535	08/20047 (E2)











### Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> UL International Germany GmbH	UL 1977	E45171

## Compatible products

### Strain relief plate

	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
	Item no.: 890-502/342-000 Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; black	890-502 / 342-000

	<b>Item no.: 890-512</b> Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; white	890-512
	<b>Item no.: 890-512/342-000</b> Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; white	890-512 /342-000
<b>tools</b>		
	<b>Item no.: 210-719</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	210-719
	<b>Item no.: 890-382</b> Operating tool; 2-way; green	890-382
<b>assembling</b>		
	<b>Item no.: 890-310</b> Mounting carrier; 2- to 5-pole; for flying leads; black	890-310
	<b>Item no.: 890-311</b> Mounting carrier; 2- to 5-pole; for flying leads; white	890-311
<b>Locking lever</b>		
	<b>Item no.: 890-101</b> Locking lever; for manual operation; black	890-101
	<b>Item no.: 890-111</b> Locking lever; for flying leads; for tool operation; black	890-111
	<b>Item no.: 890-121</b> Locking lever; for manual operation; white	890-121
	<b>Item no.: 890-131</b> Locking lever; for flying leads; for tool operation; white	890-131

## Downloads

### Documentation

#### Bid Text

890-252/060-000	doc 24.1 kB	Download
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## CAD/CAE - Smart Data

### CAD data

3D Download 890-252/060-000	URL	Download
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Subject to changes.

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