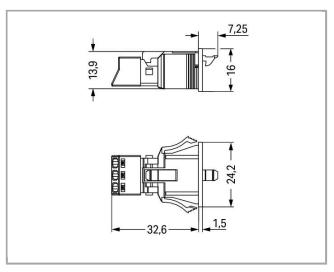
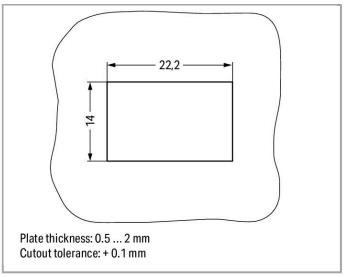
Snap-in socket; 3-pole; Cod. B

890-743









# 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

890-743



#### 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

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
Note on rated current	13 A for 3-pole load

#### 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

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Note (strip length)	see also packaging or instructions
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Conductor entry direction to mating direction	0°

## **Geometrical Data**

Pin spacing	4.4 mm / 0.173 inch
Width	24.2 mm / 0.953 inch
Height	16 mm / 0.63 inch
Depth	39.85 mm / 1.569 inch

#### 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

100, with resistive load  $I_N$  = 16 A, tested (1.5 mm $^2$ /16 AWG)

Gehäuseblechstärke	0.5 2 mm / 0.02 0.079 inch
Mounting type	Snap-in
Marking	123
Protection class	IP20
Note on protection class  Only in mated condition with strain relief housing (The connectors are not designed for use in open, easily areas.)	
Potential marking	123

# 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	yes

## **Material Data**

Color gray	
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Insulating r	material	Polyamide 66 (PA 66)		
Flammabili	ty class per UL94	V0		
Clamping spring material		Chrome nickel spring steel (CrNi)		
Contact ma	aterial	Copper or copper alloy, surface-treated		
Fire load		0.135 MJ		
Weight		6 g		
Environme	ental Requirements			
Surroundin	ng air (operating) temperature	-35 85 ℃		
Processing	g temperature	-5 +40 °C		
Continuous	s operating temperature	-35 +85 °C		
Note on Co	ontinuous Service Temperature	Insulating parts for temperatures ≤ 105 °C		
Commerci	ial data			
Product Gr	roup	20 (WINSTA)		
Country of	origin	PL		
GTIN		4055143427838		
Customs T	ariff No.	85366990990		
Country spe Logo	cific Approvals  Approval	Additional Approval Text	Certificate name	
Logo	СВ	EN 61984	71-100413	
KEMA	DEKRA Certification B.V.	EN 01904	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 Approv	als		Certificate	
Logo	Approval	Additional Approval Text	name	
#ROVED As	DNV GL	-	TAE00001Z6	
DNV-GL	Det Norske Veritas, Germanischer Lloyd			

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**DNV GL**Det Norske Veritas, Germanischer Lloyd

TAE00001Z6

# **UL-Approvals**

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

# Compatible products

#### protection

	Item no.: 890-643 Lockout cap; 3-pole; for cutouts; Plastic	890-643
	Item no.: 890-693 Lockout cap; 3-pole; for cutouts; Plastic	890-693
tools		
	Item no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 $\times$ 0.4) mm	210-719
	Item no.: 890-383 Operating tool; 3-way	890-383

## **Downloads**

## Documentation

#### **Bid Text**

890-743	Apr 4, 2012	doc	Download
WINSTA MINI 3-polig		23.0 kB	

# **CAD/CAE - Smart Data**

#### CAD data

3D Download 890-743	URL	Download
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# Data sheet | Item number: 890-743 890-743



Subject to changes.