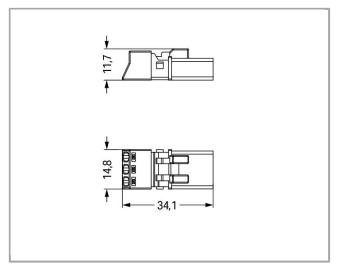
Plug; 3-pole; Cod. B; 1,50 mm2; gray

890-253







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

890-253



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 mm ²
Solid conductor	0.25 1.5 mm ² / 22 16 AWG
Solid conductor, push-in termination	0.75 1.5 mm² / 20 16 AWG
Stranded conductor	0.25 1 mm ² / 22 18 AWG
Fine-stranded conductor	0.25 1.5 mm ² / 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 mm ² / 22 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
Total number of connection points	3
Total number of potentials	3
Conductor entry direction to mating direction	0°
No. of poles	3

Geometrical Data

Pin spacing	4.4 mm / 0.173 inch
Width	15 mm / 0.591 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)
Retention force of a plug-in connection	When locked: > 80 N

890-253

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)
Marking	123
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	123
Contact type (pluggable connector)	Male connector/plug
	for conductors
Connector connection type 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	VO
Clamping spring material	Chrome nickel spring steel (CrNi)

Environmental Requirements

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

0.076 MJ

3.57 g

Commercial data

Fire load

Weight

Product Group	20 (WINSTA)
Country of origin	PL
GTIN	4055143499859
Customs Tariff No.	85366990990

Approvals / Certificates

890-253



Country specific Approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	СВ	IEC 61984	NL-52879
	DEKRA Certification B.V.		
	СВ	EN 61984	71-100413
KEMA	DEKRA Certification B.V.		
	CCA	EN 60320	2148952.04
KEMA	DEKRA Certification B.V.		
Ship Approva	Is		
			Certificate
Logo	Approval	Additional Approval Text	name
SEROVED AND	DNV GL	-	TAE00001Z6
DNV-GL	Det Norske Veritas, Germanischer Lloyd		

EN 61535

Compatible products

 LR

Lloyds Register

Strain relief plate

11	Item no.: 890-503 Strain relief housing; 3-pole; with locking clip; for 1 cable; 4.5 10.0 mm; 37 mm; black	890-503	
11	Item no.: 890-513 Strain relief housing; 3-pole; with locking clip; for 1 cable; 4.5 10.0 mm; 37 mm; white	890-513	
tools			
9	Item no.: 210-719	010 710	
7	Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	210-719	
	Item no.: 890-383		
	Operating tool; 3-way; green	890-383	
assembling			
200	Item no.: 890-310	200 210	
4	Mounting carrier; 2- to 5-pole; for flying leads; black	890-310	

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Item no.: 890-311 Mounting carrier; 2- to 5-pole; for flying leads; white 890-311

Locking lever

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Item no.: 890-101 Locking lever; for manual operation; black

890-101



Item no.: 890-111 Locking lever; for flying leads; for tool operation; black

890-111

Item no.: 890-121 Locking lever; for manual operation; white

890-121



Item no.: 890-131 Locking lever; for flying leads; for tool operation; white 890-131

Downloads

Documentation

Bid Text

890-253

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