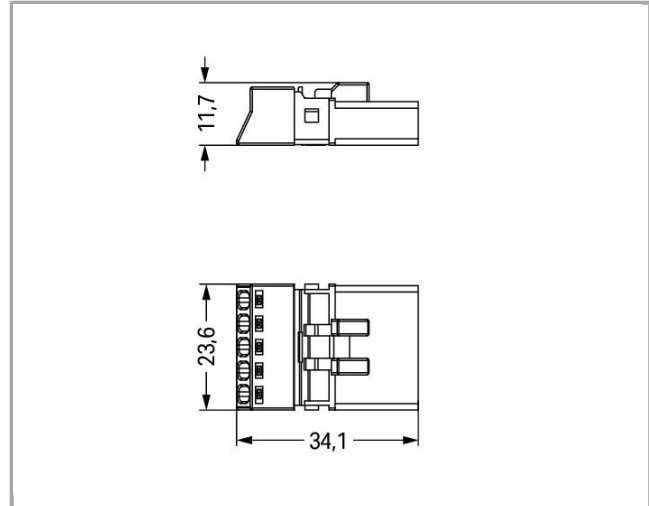
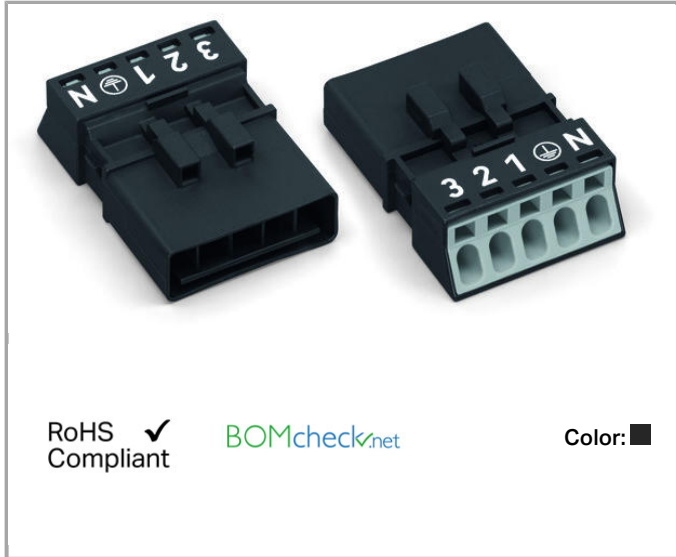


890-215



### 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

### 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)

400 V

Rated impulse voltage (III / 3)	6 kV
Rated current	13 A

### Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	12 A

### Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross section	1.5 mm <sup>2</sup>
Solid conductor	0.25 1.5 mm <sup>2</sup> / 22 16 AWG
Solid conductor, push-in termination	0.75 1.5 mm <sup>2</sup> / 20 16 AWG
Stranded conductor	0.25 1 mm <sup>2</sup> / 22 18 AWG
Fine-stranded conductor	0.25 1.5 mm <sup>2</sup> / 22 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 0.75 mm <sup>2</sup> / 22 20 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 0.75 mm <sup>2</sup> / 22 20 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
Total number of connection points	5
Total number of potentials	5
Conductor entry direction to mating direction	0°
No. of poles	5

### Geometrical Data

Pin spacing	4.4 mm / 0.173 inch
Width	23.6 mm / 0.929 inch
Height	11.7 mm / 0.461 inch
Depth	34.1 mm / 1.343 inch

### Mechanical data

Coding	A
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 $I_N = 16A$ , tested (1.5mm <sup>2</sup> /AWG 16)



Marking	N 1 2 3
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	N 1 2 3

### 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	black
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	0.12 MJ
Weight	5.6 g

### Environmental Requirements

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

### Commercial data




Product Group	20 (WINSTA)
Country of origin	PL
GTIN	4055143548595
Customs Tariff No.	85366990990

### Approvals / Certificates



#### Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61535	NL-49482



## Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	IEC 61535	NL-49482
	<b>CCA</b> DEKRA Certification B.V.	EN 61535	71-102984
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

## Ship Approvals



Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<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
	<b>UL</b> UL International Germany GmbH	UL 1977	E45171

## Compatible products





## Strain relief plate

	<b>Item no.: 890-505</b> Strain relief housing; 5-pole; with locking clip; for 1 cable; 6.5 ... 10.5 mm; 45 mm; black	890-505
	<b>Item no.: 890-515</b> Strain relief housing; 5-pole; with locking clip; for 1 cable; 6.5 ... 10.5 mm; 45 mm; white	890-515



## shield connection

	<b>Item no.: 890-527</b> Shield connecting plate; 5-pole; for plugs	890-527
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## Locking lever

	<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

## tools

	<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.: 890-385</b> Operating tool; 5-way; green	890-385

## assembling

	<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

## Downloads

## Documentation

## Bid Text

890-215	Apr 4, 2012	doc	Download
WINSTA MINI 5-polig		23.6 kB	

## CAD/CAE - Smart Data

## CAD data

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Subject to changes.

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