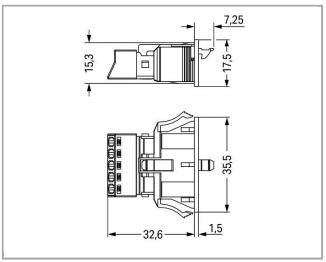
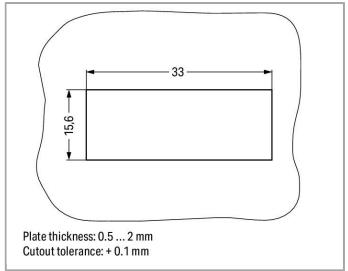
Snap-in socket; 5-pole; Cod. A

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## 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

#### Note:

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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.  $1 m \Omega$  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 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	5
Total number of connection points	5

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Total number of potentials	5
Conductor entry direction to mating direction	0°

## **Geometrical Data**

Pin spacing	4.4 mm / 0.173 inch
Width	35.5 mm / 1.398 inch
Height	17.5 mm / 0.689 inch
Depth	39.85 mm / 1.569 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 $^2$ /AWG 16)

Gehäuseblechstärke	0.5 2 mm / 0.02 0.079 inch
Mounting type	Snap-in
Marking	N 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	N 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	black
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	VO
Clamping spring material	Chrome nickel spring steel (CrNi)

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Contact mat	terial	Copper or copper alloy, surface-treated	
Fire load		0.202 MJ	
Weight		9.015 g	
Environmer	ntal Requirements		
Surrounding	g air (operating) temperature	-35 85 °C	
Processing	temperature	-5 +40 °C	
Continuous	operating temperature	-35 +85 °C	
Note on Cor	ntinuous Service Temperature	Insulating parts for temperatures ≤ 105 °C	
Commercia	al data		
Product Gro	рир	20 (WINSTA)	
Country of c	origin	PL	
GTIN		4045454233433	
Customs Ta	riff No.	85366990990	
	( a		
Approvais /	Certificates		
Country spec	ific Approvals		
Logo	Approval	Additional Approval Text	Certificate name
	CCA	IEC 61535	NL-49482
	DEKRA Certification B.V.		
	CCA	EN 61535	71-102984
KEMA	DEKRA Certification B.V.		
	CCA	EN 61535	2182129.01
KEMA	DEKRA Certification B.V.		
NEUR			
	CCA	IEC 61535	NL-35632
	DEKRA Certification B.V.		
Ship Approva	Is		
			Certificate
Logo	Approval	Additional Approval Text	name
.ABS.	ABS	Steel Vessel Rules	14-
2 2 5	American Bureau of Shipping		HG1241513-
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DNV·GL			
MARITIME			

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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	UL UL International Germany GmbH	UL 1977	E45171
c <b>FLL</b> us	<b>UL</b> UL International Germany GmbH	UL 1977	E45171

# Compatible products

#### tools

	Item no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 $\times$ 0.4) mm	210-719
	Item no.: 890-385 Operating tool; 5-way	890-385
protection	Operating tool, 5 way	
	Item no.: 770-643	770-643
	Lockout cap; 3-pole; for cutouts; Plastic  Item no.: 770-693	
1	Lockout cap; for cutout; for cutouts; Plastic	770-693

## **Downloads**

## Documentation

#### **Bid Text**

890-705	Apr 4, 2012	doc	Download
WINSTA MINI 5-polig		23.6 kB	

## CAD/CAE - Smart Data

#### CAD data

3D Download 890-705	URL	Download
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# **Data sheet | Item number: 890-705** 890-705



Subject to changes.			