

### 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. 1mΩ contact resistance

approx. 0.25mΩ 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	16 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 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
No. of poles	4
Total number of connection points	4



Total number of potentials	4
Conductor entry direction to mating direction	0°

## Geometrical Data

Pin spacing	4.4 mm / 0.173 inch
Width	28.6 mm / 1.126 inch
Height	16 mm / 0.63 inch
Depth	39.8 mm / 1.567 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)
Gehäuseblechstärke	0.5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in
Marking	N 2
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 2/L 1/L'

## 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	white
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	0.167 MJ
Weight	10.664 g

### Environmental Requirements



Surrounding air (operating) temperature	-35 ... 85 °C
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	4045454233518
Customs Tariff No.	85366990990

### Approvals / Certificates

#### 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>CCA</b> DEKRA Certification B.V.	EN 61535	2182129.01
	<b>CCA</b> DEKRA Certification B.V.	IEC 61535	NL-35632

#### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	Steel Vessel Rules	14-HG1241513-PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6





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

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TAE00001Z6

## UL-Approvals



Logo	Approval	Additional Approval Text	Certificate name
	UL	UL 1977	E45171
	UL International Germany GmbH		
	UL	UL 1977	E45171
	UL International Germany GmbH		

## Compatible products

## protection

	Item no.: 890-644	890-644
	Lockout cap; for cutouts; Plastic	
	Item no.: 890-694	890-694
	Lockout cap; for cutouts; Plastic	

## tools

	Item no.: 210-719	210-719
	Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm	
	Item no.: 890-384	890-384
	Operating tool; 4-way	

## Downloads

## Documentation

## Bid Text

890-724	Apr 4, 2012	doc 23.0 kB	Download
WINSTA MINI 4-polig			

## CAD/CAE - Smart Data

## CAD data

3D Download 890-724	URL	Download
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Subject to changes.

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