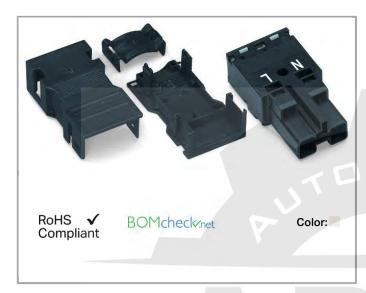
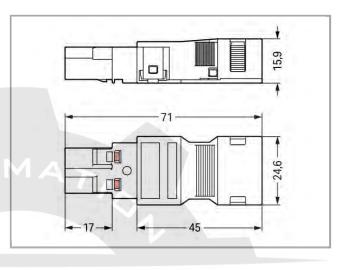
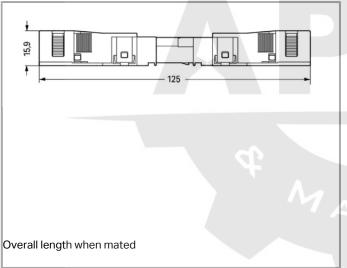
Plug; with strain relief housing; 2-pole; Cod. A

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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
- Two-wire connection per pole for loops or bridges

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 16 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.  $0.25m\Omega$  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	25 A

# Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V	
Rated current per UL 1977 (factory wiring only)	23 A	

#### Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
	Push-in
Nominal cross section	4 mm <sup>2</sup>
Solid conductor	0.5 4 mm² / 20 12 AWG
Solid conductor, push-in termination	1.5 4 mm² / 16 12 AWG
Stranded conductor	0.5 2.5 mm² / 20 14 AWG
Fine-stranded conductor	0.5 4 mm² / 20 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 1.5 mm² / 20 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 2.5 mm² / 20 14 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
No. of poles	2
Total number of connection points	4

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Total number of potentials	2
Connectable sheathed cable diameter	7 10.5 mm
Conductor entry direction to mating direction	0°
Strip length	35 mm

#### **Geometrical Data**

Pin spacing	10 mm / 0.394 inch
Width	24.6 mm / 0.969 inch
Height	15.9 mm / 0.626 inch
Depth	71 mm / 2.795 inch

#### Mechanical data

A	
approx. 20 70 N (depending on pole number)	
When locked: > 80 N	
when unlocked: approx. 20 70 N (depending on pole number)	

Number of mating cycles

200, without resistive load

100, with resistive load  $I_N$  = 25A, tested (4 mm<sup>2</sup>/AWG 12)

Marking	LN
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	LN

# 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
Strain relief	Strain relief housing

#### **Material Data**

Color	white
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	VO

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<u>.</u>			
	oring material	Chrome nickel spring steel (CrNi)	
Contact mat	cerial	Copper or copper alloy, surface-treated	
Fire load		0.318 MJ	
Weight		12.876 g	
Environmer	ntal Requirements		
Surrounding	air (operating) temperature	-35 85 °C	
Processing t	temperature	-5 +40 °C	
Continuous	operating temperature	-35 +85 °C	
Note on Con	ntinuous Service Temperature	Insulating parts for temperatures ≤ 105 °C	;
Commercia Country of o		1 MA	
GTIN	7.9.11	4050821117964	
Customs Tai	riff No.	85366990990	
Approvals /	Certificates		
Country speci	ific Approvals		Certificate
Logo	Approval	Additional Approval Text	name
KEMA	CCA DEKRA Certification B.V.	EN 61535	2173495.02
	CCA DEKRA Certification B.V.	IEC 61535	NL-32105
Ship Approval	s		
эттр түрт очаг			Certificate
Logo	Approval	Additional Approval Text	name
ABS.	ABS		14-
THE OPEN PROPERTY.	American Bureau of Shipping		HG1241528- PDA
DNV-GL	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
DNV-GL	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z(
	LR Lloyds Register	IEC 61984	02/20050 (E6)

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#### **UL-Approvals**

			Certificate
Logo	Approval	Additional Approval Text	name
	cURus	UL 1977	E45171
	Underwriters Laboratories Inc.		Sec. 9
C TALL	e		

# Compatible products

#### Locking lever

Item no.: 770-101 Locking lever; for flying leads; for manual operation	770-101
Item no.: 770-111 Locking lever; for flying leads; for tool operation	770-111
Item no.: 770-121 Locking lever; for flying leads; for manual operation	770-121
Item no.: 770-131 Locking lever; for flying leads; for tool operation	770-131
Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable	770-360
MACH	
ltem no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210-720
Item no.: 770-382 Operating tool; 2-way	770-382
	Locking lever; for flying leads; for manual operation  Item no.: 770-111 Locking lever; for flying leads; for tool operation  Item no.: 770-121 Locking lever; for flying leads; for manual operation  Item no.: 770-131 Locking lever; for flying leads; for tool operation  Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable  Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm  Item no.: 770-382

#### Downloads

#### Documentation

#### **Bid Text**

770-132/041-000	Apr 4, 2012	doc	Download
WINSTA MIDI 2-polig		24.1 kB	

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**CAD/CAE - Smart Data** 

CAD data

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Subject to changes.