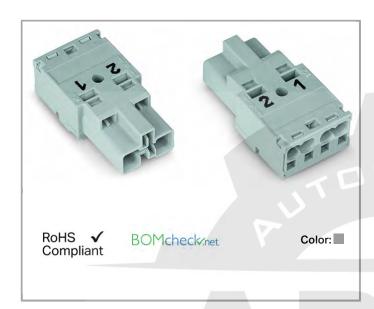
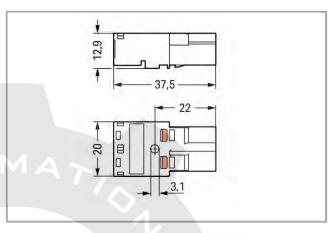
Plug; 2-pole; Cod. B

770-252







### 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
- 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 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.  $1m\Omega$  contact resistance

770-252



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

D	150/51	000044
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 mm²
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
Total number of potentials	2
Conductor entry direction to mating direction	0°

### **Geometrical Data**

Pin spacing	10 mm / 0.394 inch
Width	20 mm / 0.787 inch
Height	12.9 mm / 0.508 inch
Depth	37.5 mm / 1.476 inch

## Mechanical data

Coding	В
Mating force of a plug-in connection	approx. 20 70 N (depending on pole number)

770-252

Country of origin

GTIN



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 $I_N = 25A$ , tested (4 mm <sup>2</sup> /AWG 12)
Marking	12
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	12
Plug connection	
Contact type (pluggable connector)	Male connector/plug
Connector connection type	for conductors
Mismating protection	Yes
Locking of plug-in connection	locking lever
Material Data	
Color	gray
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	VO
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.127 MJ
Weight	6.426 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 ≤ 105 °C
Commercial data	
Product Group	20 (WINSTA)
•	<u> </u>

DE

4050821541875

770-252



Customs Ta	riff No.	85366990990	
Approvals	/ Certificates		
Country spec	ific Approvals		
Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
KEMA	CCA DEKRA Certification B.V.	EN 61984	2173495.01
Ship Approva		1MA7/A	Certificate
Logo	Approval  ABS  American Bureau of Shipping	Additional Approval Text -	name 14- HG1241528- PDA
DNV-GL	DNV GL Det Norske Veritas, Germanischer Lloyd		TAE00001Z6
DNV-GL	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
NAME OF THE PARTY	LR Lloyds Register	IEC 61984	02/20050 (E6)
UL-Approvals	3		
Logo	Approval	Additional Approval Text	Certificate name
.81	cURus Underwriters Laboratories Inc.	UL 1977	E45171 Sec. 9

# Compatible products

770-252



#### General accessories

60	Item no.: 770-317 Snap-in frame; for 2-pole sockets and plugs; 2-pole	770-31
-		
	Item no.: 770-337 Snap-in frame; for 2-pole sockets and plugs; 2-pole	770-33
ocking leve	er en	
	Item no.: 770-101  Locking lever; for flying leads; for manual operation	770-10
	Locking level, for flying leads, for financial operation	
	Item no.: 770-111	770-11
	Locking lever; for flying leads; for tool operation	
	Item no.: 770-121	770-12
1.	Locking lever; for flying leads; for manual operation	770 12
	Item no.: 770-131	770 10
1	Locking lever; for flying leads; for tool operation	770-13
train relief	plate	
	Item no.: 770-502/041-000	770-50
22	Strain relief housing; 2-pole; with locking clip; for 1 cable; 7.0 10.5 mm; 35 mm	770-30
4 4	Item no.: 770-502/042-000	770-50
22	Strain relief housing; 2-pole; with locking clip; for 1 cable; 5.0 9.0 mm; 35 mm	7.000
	Item no.: 770-512/041-000	770-51
22	Strain relief housing; 2-pole; with locking clip; for 1 cable; 7.0 10.5 mm; 35 mm	
	Item no.: 770-512/042-000	770-51
	Strain relief housing; 2-pole; with locking clip; for 1 cable; 5.0 9.0 mm; 35 mm	
rotection	MACH	
	Item no.: 770-360	
A Wall	Lockout cap; for plugs; 5-pole; separable	770-36
ools	The state of the s	
<b>A</b>	ltom no : 210 720	
	<b>Item no.:</b> 210-720 Operating tool with partially insulated shaft; Type 2, blade $(3.5 \times 0.5)$ mm	210-72
_		
	Item no.: 770-382	770-38
	Operating tool; 2-way	

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Documentation

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Subject to changes.