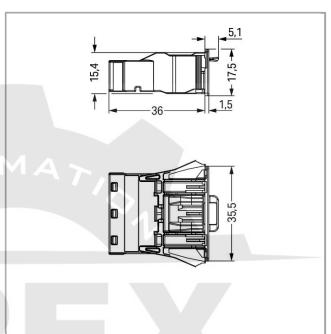
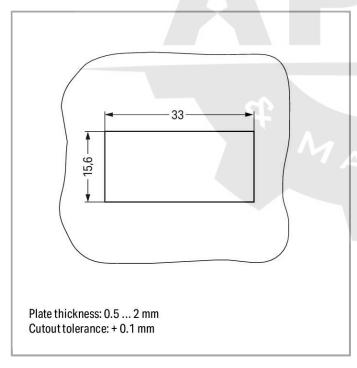
Snap-in plug; 3-pole; Cod. A

770-713









## Item description

Protected against mismating and maintenance-free

\_

770-713



- 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
- Additional variable coding is possible

#### 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

approx. 0.25mΩ 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 mm²	
Solid conductor	0.5 4 mm <sup>2</sup> / 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	

770-713



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	3
Total number of connection points	6
Total number of potentials	3
Ground function	with preceding GND contact
Conductor entry direction to mating direction	0°

## **Geometrical Data**

Pin spacing	10 mm / 0.394 inch
Width	35.5 mm / 1.398 inch
Height	17.5 mm / 0.689 inch
Depth	36 mm / 1.417 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	

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

Gehäuseblechstärke	0.5 2 mm / 0.02 0.079 inch
Mounting type	Snap-in
Marking	L N
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	L N

# Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for conductors
Mismating protection	Yes
Locking of plug-in connection	locking lever

770-713



Locking leve	er	yes	
		· · ·	
Material Da	ata		
Color		black	
Insulating m	naterial	Polyamide 66 (PA 66)	
Flammability	y class per UL94	V0	
Clamping sp	oring material	Chrome nickel spring steel (CrNi)	
Contact mat	terial	Copper or copper alloy, surface-treated	
Fire load		0.259 MJ	
Weight		12.2 g	
Environmo	ntal Requirements		
	intal Requirements		
Surrounding	g air (operating) temperature	-35 85 °C	
Processing	temperature	-5 +40 ℃	
Continuous	operating temperature	-35 +85 °C	
Note on Cor	ntinuous Service Temperature	Insulating parts for temperatures ≤ 105 °C	
Product Gro	pup	20 (WINSTA)	
Country of c	origin	DE	
GTIN	****	4044918254199	
Customs Ta	ariff No.	85366990990	
Approvals /	/ Certificates		
Country spec	eific Approvals		
Logo	Approval	Additional Approval Text	Certificate name
Logo	CCA	IEC 61535	NL-32105
	DEKRA Certification B.V.	123 3 1000	112 02100
	CCA	EN 61535	2173495.0
KEMA	DEKRA Certification B.V.		
Ship Approva	als		
Logo	Approval	Additional Approval Text	Certificate name
ABS	ABS	-	14-
THE STREET WE	American Bureau of Shipping		HG1241528 PDA
	DNV GL	<del>-</del>	TAE00001Z
	Det Norske Veritas, Germanischer Lloyd		

770-713







DNV GL

Det Norske Veritas, Germanischer Lloyd

-

TAE00001Z6



**LR** Lloyds Register IEC 61984

02/20050 (E6)



Logo Ap

Approval

Additional Approval Text
UL 1977

Certificate name

cURus

Underwriters Laboratories Inc.

E45171 Sec. 9

## Compatible products

#### tools

1	Item no.: 210-720	210-720
	Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210 720
1	Item no.: 770-383	770-383
	Operating tool; 3-way	770-363
protection	MACHI	
THE PLAN	Item no.: 770-360	770-360
A. A. A.	Lockout cap; for plugs; 5-pole; separable	
	Item no.: 770-643	770-643
	Lockout cap; 3-pole; for cutouts; Plastic	
	Item no.: 770-693	770-693
1	Lockout cap; for cutout; for cutouts; Plastic	
Coding		

**Downloads** 

**Documentation** 

Item no.: 770-401

Coding pin; for plugs; Plastic

**Bid Text** 

770-401

**Data sheet | Item number: 770-713** 770-713



770-713 Apr 4, 2012 WINSTA MIDI 3-polig

2012 doc 23.6 kB Download

**CAD/CAE - Smart Data** 

**CAD** data

3D Download 770-713 URL Download



Subject to changes.