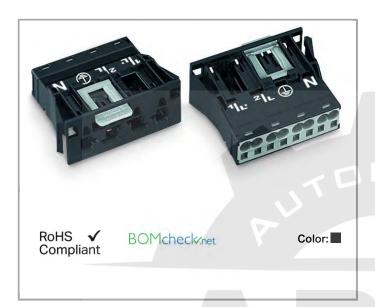
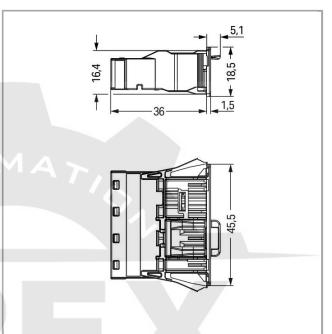
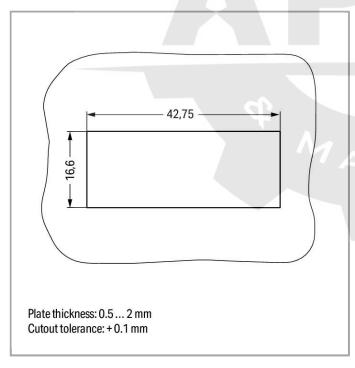
Snap-in plug; 4-pole; Cod. A

770-714









Item description

Protected against mismating and maintenance-free

-

770-714



- 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)	400 V
Rated impulse voltage (III / 3)	6 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

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Fine-stranded conductor with ferrule with plastic collar	0.25 1.5 mm ² / 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	4
Total number of connection points	8
Total number of potentials	4
Ground function	with preceding GND contact
Conductor entry direction to mating direction	0°

Geometrical Data

Pin spacing	10 mm / 0.394 inch	
Width	45.5 mm / 1.791 inch	
Height	18.5 mm / 0.728 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	

200, without resistive load

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

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Locking lever		yes	
Material Dat	a		
Color		black	
Insulating ma	terial	Polyamide 66 (PA 66)	
Flammability	class per UL94	V0	
Clamping spr	ing material	Chrome nickel spring steel (CrNi)	
Contact mate	erial	Copper or copper alloy, surface-treated	
Fire load		0.326 MJ	
Weight		15.9 g	
Environment	tal Requirements		
	air (operating) temperature	-35 85 °C	
Processing to		-5 +40 °C	
	perating temperature	-35 +85 °C	
Note on Cont	cinuous Service Temperature	Insulating parts for temperatures ≤ 105 °C	
Commercial	data		
Product Grou	in.	20 (WINSTA)	
Country of or		DE DE	
GTIN	igiii	4044918254748	
Customs Tari	iff No.	85366990990	
- Customs ran	iii NO.	83300330330	
Approvals /	Certificates		
Country specif	ic Approvals		
			Certificate
Logo	Approval	Additional Approval Text	name
	CCA	EN 61535	2173495.02
KEMA	DEKRA Certification B.V.		
ILEUR			
	CCA	IEC 61535	NL-32105
	DEKRA Certification B.V.		
Ship Approvals	3		
Logo	Approval	Additional Approval Text	Certificate name
ABS.	ABS		14-
THE CHAPTER OF THE PARTY OF THE	American Bureau of Shipping		HG1241528- PDA
	DNV GL	-	TAE00001Z6
	Det Norske Veritas, Germanischer Lloyd		

770-714







DNV GL

TAE00001Z6

Det Norske Veritas, Germanischer Lloyd

02/20050 (E6)

LR Lloyds Register IEC 61984

UL 1977

UL-Approvals

Logo Approval cURus

Underwriters Laboratories Inc.

Additional Approval Text

E45171

Sec. 9

name

Certificate

Compatible products

protection



Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable

770-360

Item no.: 770-644 Lockout cap; for cutout; for cutouts; Plastic 770-644



770-694



Item no.: 770-694 Lockout cap; for cutout; for cutouts; Plastic

210-720

tools

Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

Coding

Item no.: 770-401 Coding pin; for plugs; Plastic

770-401

Downloads

Documentation

Bid Text

770-714 Apr 4, 2012 doc

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WINSTA MIDI 4-polig 23.6 kB

CAD/CAE - Smart Data

CAD data

3D Download 770-714 URL Download



Subject to changes.