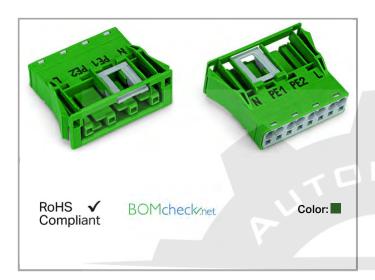
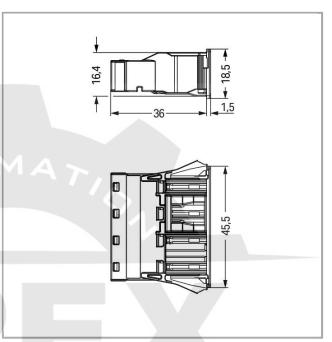
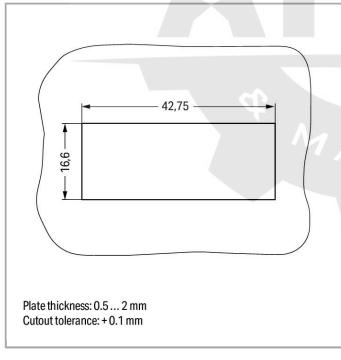
Snap-in socket; 4-pole; Cod. Q

770-2324









Item description

Protected against mismating and maintenance-free

_

770-2324



- 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. $0.25m\Omega$ 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	32 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 mm ² / 20 12 AWG	

770-2324



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
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	37.5 mm / 1.476 inch

Mechanical data

Coding	Q
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 PE1 PE2 L
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 PE1 PE2 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

770-2324



Material Data

Color	green
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	0.296 MJ
Weight	15.47 g

Environmental Requirements

Surrounding air (operating) temperature	-35 85 °C
Processing temperature	-5 +40 °C
Continuous operating temperature	-35 +85 ℃
Note on Continuous Service Temperature	Insulating parts for temperatures ≤ 105 °C

Commercial data

Country of origin	DE
GTIN	4045454299170
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
KEMA	CCA DEKRA Certification B.V.	EN 61535	2173495.02

CCA	IEC 61535	NL-32105
DEKRA Cortification B V		

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
ABS.	ABS American Bureau of Shipping	-	14- HG1241528- PDA
DNV-GL	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

770-2324

Lloyds Register

LR





DNV GLDet Norske Veritas, Germanischer Lloyd

TAE00001Z6



IEC 61984 02/20050

(E6)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus	UL 1977	E45171
	Underwriters Laboratories Inc.		Sec. 9
c FLL u	S		

Compatible products

protection

1	Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets	770-201
1	Item no.: 770-221 Lockout cap; for socket; 12-pole; separable	770-221
	Item no.: 770-644 Lockout cap; for cutout; for cutouts; Plastic	770-644
1	Item no.: 770-694 Lockout cap; for cutout; for cutouts; Plastic	770-694
tools	M 4 5 4 1 1	
1	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 \times 0.5) mm	210-720

Downloads

Documentation

Bid Text

770-2324	Apr 4, 2012	doc	Download
WINSTA MIDI 4-polig		24.1 kB	

770-2324





Subject to changes.