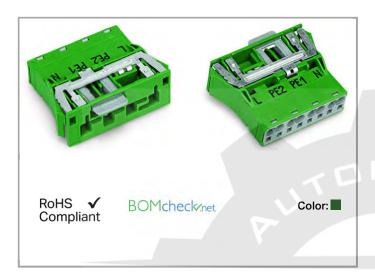
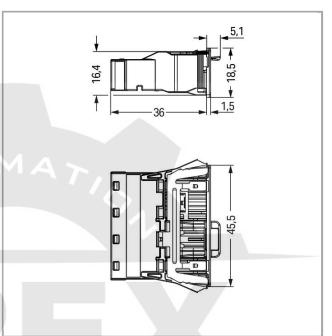
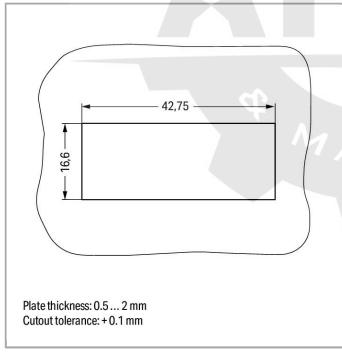
Snap-in plug; with direct ground contact; 4-pole; Cod. Q

770-2334/007-000









# Item description

Protected against mismating and maintenance-free

-

770-2334/007-000



- 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	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 mm² / 20 12 AWG	

770-2334/007-000



0.25 1.5 mm² / 20 16 AWG
0.25 2.5 mm² / 20 14 AWG
9 mm / 0.35 inch
see also packaging or instructions
4
8
4
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

	0
100, with resistive load $I_N = 2$	5A, tested (4 mm <sup>2</sup> /AWG 12)

Gehäuseblechstärke	0.5 2 mm / 0.02 0.079 inch
Direct ground contact to DIN-rail/drilled hole/housing	ATH
Design	with direct ground contact
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)	Male connector/plug
Connector connection type	for conductors
Mismating protection	Yes

770-2334/007-000



Locking of plug-in connection	locking lever
Locking lever	yes

### **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	0.326 MJ
Weight	17.578 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

Country of origin	DE
GTIN	4045454408473
Customs Tariff No.	85366990990

# Approvals / Certificates

## **Country specific Approvals**

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61535	NL-32105
KEMA	CCA DEKRA Certification B.V.	EN 61535	2173495.02

### **Ship Approvals**

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

770-2334/007-000







DNV GL

TAE00001Z6

Y SANGTAGE

LR

Lloyds Register

Det Norske Veritas, Germanischer Lloyd

IEC 61984 02/20050

(E6)

118 American scientist

**UL-Approvals** 

Logo Approval Additional Approval Text name

CURus UL 1977 E45171

Underwriters Laboratories Inc. Sec. 9

c**FL**us

# Compatible products

## tools

	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210-720
protection		
6444	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
1	Item no.: 770-694 Lockout cap; for cutout; for cutouts; Plastic	770-694

### **Downloads**

### **Documentation**

### **Bid Text**

770-2334/007-000	Apr 4, 2012	doc	Download
WINSTA MIDI 4-polig		24.1 kB	





Subject to changes.