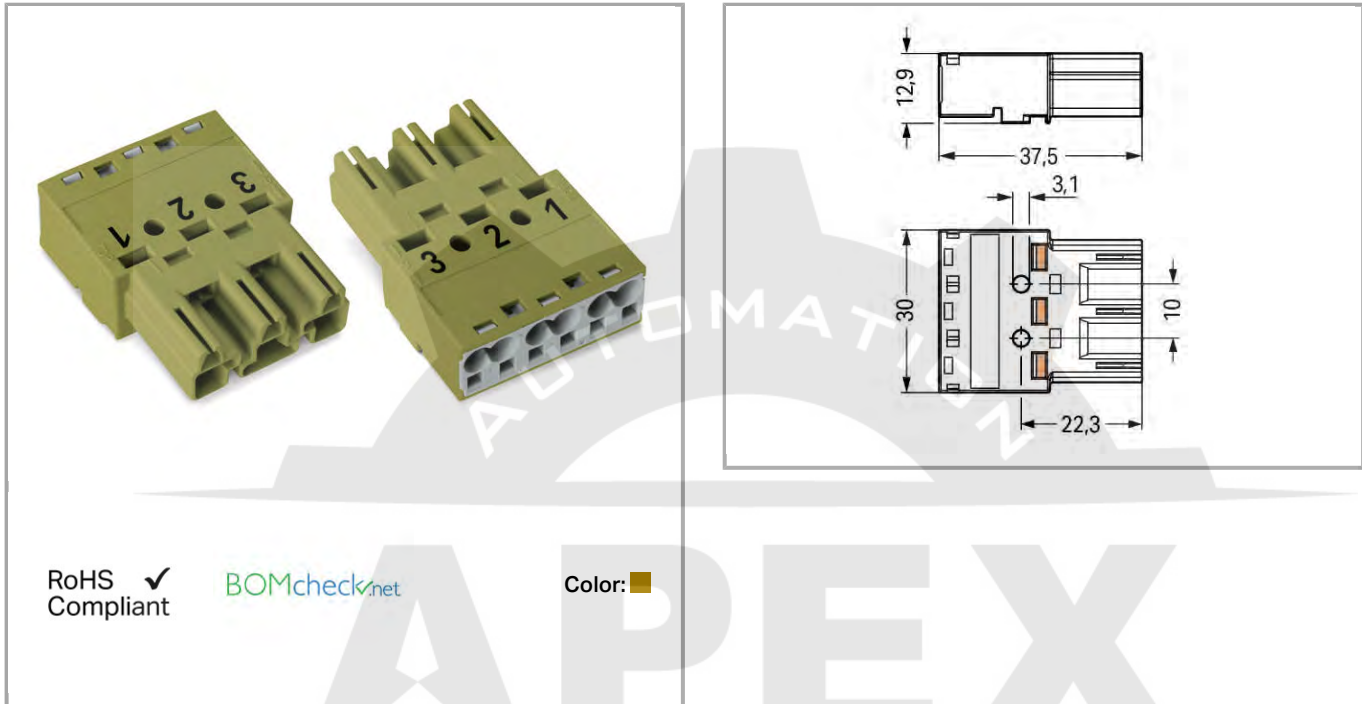


Data sheet | Item number: 770-273

Plug; 3-pole; Cod. B; 4,00 mm²; light green

770-273



Item description

- Protected against mismatching 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
- Additional variable coding is possible
- 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. 1mΩ 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 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		
Total number of connection points	6		
Total number of potentials	3		
Conductor entry direction to mating direction	0°		
No. of poles	3		

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	30 mm / 1.181 inch
Height	12.9 mm / 0.508 inch
Depth	37.5 mm / 1.476 inch

Mechanical data

Coding	B
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)
Marking	1 2 3
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	1 2 3

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for conductors
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	no

Material Data

Color	light green
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.196 MJ
Weight	9.964 g

Environmental Requirements

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)
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Country of origin	DE
GTIN	4050821451112
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
	CCA DEKRA Certification B.V.	EN 61984	2173495.01

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1241528- PDA
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
	CCA DEKRA Certification B.V.	EN 61984	2173495.01
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	LR Lloyds Register	IEC 61984	02/20050 (E6)

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1241528- PDA

**DNV GL**

Det Norske Veritas, Germanischer Lloyd

-

TAE00001Z6

**LR**

Lloyds Register

IEC 61984

02/20050
(E6)

Other Approvals

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

UL-Approvals

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

Compatible products

tools

	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	210-719
	Item no.: 770-383 Operating tool; 3-way; green	770-383

Locking lever

	Item no.: 770-101 Locking lever; for flying leads; for manual operation; black	770-101
	Item no.: 770-111 Locking lever; for flying leads; for tool operation; black	770-111

	Item no.: 770-121 Locking lever; for flying leads; for manual operation; white	770-121
	Item no.: 770-131 Locking lever; for flying leads; for tool operation; white	770-131
Strain relief plate		
	Item no.: 770-503 Strain relief housing; 3-pole; for 2 cables; 8.0 ... 11.5 mm; 55 mm; black	770-503
	Item no.: 770-503/021-000 Strain relief housing; 3-pole; for 1 cable; 9.0 ... 13.0 mm; 71 mm; black	770-503 /021-000
	Item no.: 770-503/023-000 Strain relief housing; 3-pole; for 2 cables; 4.5 ... 8.0 mm; 55 mm; black	770-503 /023-000
	Item no.: 770-503/032-000 Strain relief housing; 3-pole; with locking clip; for 2 cables; 8.0 ... 11.5 mm; 55 mm; black	770-503 /032-000
	Item no.: 770-503/035-000 Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm; black	770-503 /035-000
	Item no.: 770-503/038-000 Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm; black	770-503 /038-000
	Item no.: 770-513 Strain relief housing; 3-pole; for 1 cable; 8.0 ... 11.5 mm; 55 mm; white	770-513
	Item no.: 770-513/021-000 Strain relief housing; 3-pole; for 1 cable; 9.0 ... 13.0 mm; 71 mm; white	770-513 /021-000
	Item no.: 770-513/023-000 Strain relief housing; 3-pole; for 2 cables; 4.5 ... 8.0 mm; 55 mm; white	770-513 /023-000
	Item no.: 770-513/032-000 Strain relief housing; 3-pole; for 2 cables; 8.0 ... 11.5 mm; 55 mm; white	770-513 /032-000
	Item no.: 770-513/035-000 Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm; white	770-513 /035-000
	Item no.: 770-513/038-000 Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm; white	770-513 /038-000
Marking accessories		
	Item no.: 770-450 Marker card; Plastic; white	770-450



Item no.: 770-450/000-001
Marker card; Plastic; green

/000-001

770-450



Item no.: 770-450/000-002
Marker card; Plastic; yellow

/000-002

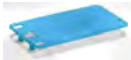
770-450



Item no.: 770-450/000-005
Marker card; Plastic; red

/000-005

770-450



Item no.: 770-450/000-006
Marker card; Plastic; blue

/000-006

770-450



Item no.: 770-450/000-012
Marker card; Plastic

/000-012

770-450

Coding



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

770-401

protection



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

770-360

Downloads

Documentation

Bid Text

770-273

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CAD/CAE - Smart Data

CAD data

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Subject to changes.
