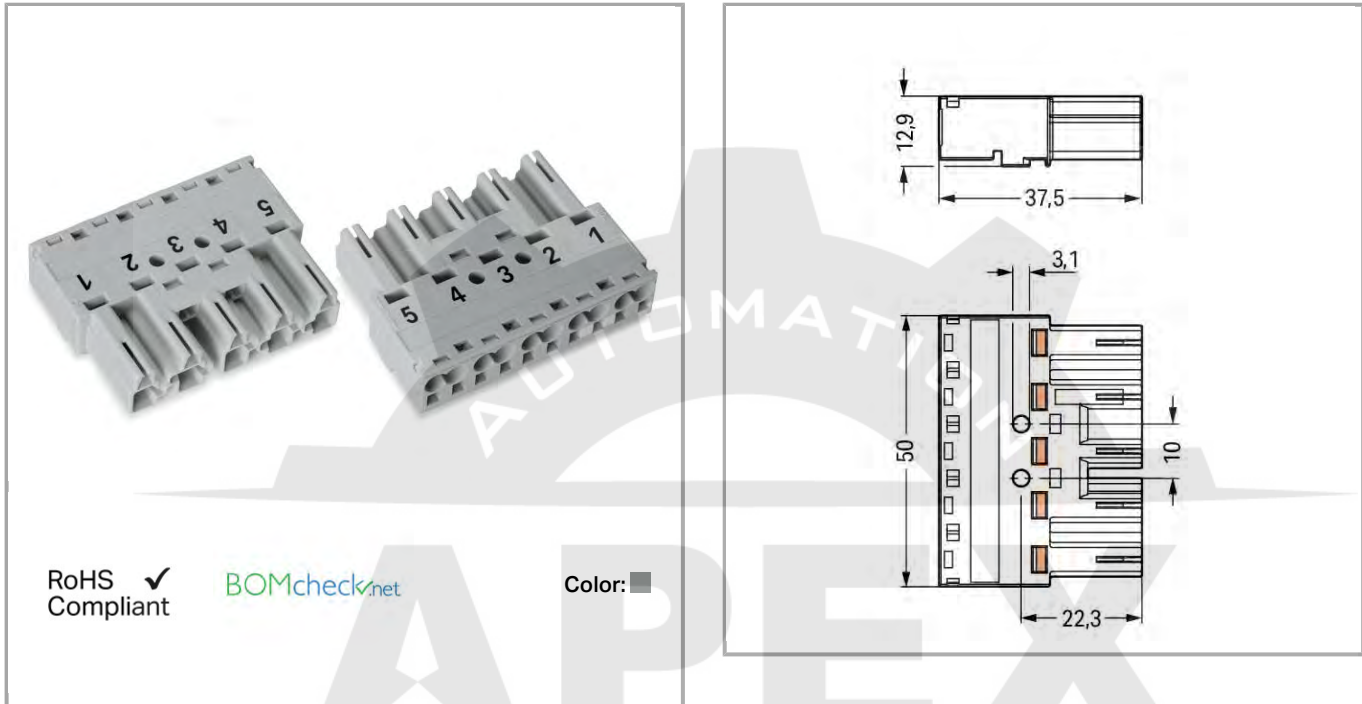




Item description

- 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
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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
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	10
Total number of potentials	5
Conductor entry direction to mating direction	0°
No. of poles	5

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	50 mm / 1.969 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	N L 2L 1L
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 L 2L 1L

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	gray
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	0.324 MJ
Weight	16.566 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

Country of origin	DE
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GTIN	4050821486275
Customs Tariff No.	85366990990

Approvals / Certificates

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

Marking accessories

	Item no.: 770-450 Marker card; Plastic; white	770-450
	Item no.: 770-450/000-001 Marker card; Plastic; green	770-450 /000-001
	Item no.: 770-450/000-002 Marker card; Plastic; yellow	770-450 /000-002
	Item no.: 770-450/000-005 Marker card; Plastic; red	770-450 /000-005
	Item no.: 770-450/000-006 Marker card; Plastic; blue	770-450 /000-006
	Item no.: 770-450/000-012 Marker card; Plastic	770-450 /000-012

protection



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

770-360

Coding



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

770-401

tools



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

210-719

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.: 770-505
 Strain relief housing; 5-pole; for 2 cables; 9.0 ... 13.0 mm; 55 mm; black

770-505



Item no.: 770-505/021-000
 Strain relief housing; 5-pole; for 1 cable; 11.5 ... 16.5 mm; 71 mm; black

770-505

/021-000



Item no.: 770-505/023-000
 Strain relief housing; 5-pole; for 2 cables; 5.0 ... 9.0 mm; 55 mm; black

770-505

/023-000



Item no.: 770-515
 Strain relief housing; 5-pole; for 2 cables; 9.0 ... 13.0 mm; 55 mm; white

770-515



Item no.: 770-515/021-000
 Strain relief housing; 5-pole; for 1 cable; 11.5 ... 16.5 mm; 71 mm; white

770-515

/021-000



Item no.: 770-515/023-000
 Strain relief housing; 5-pole; for 2 cables; 5.0 ... 9.0 mm; 55 mm; white

770-515

/023-000

Downloads

Documentation

Bid Text

770-255/064-000

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CAD/CAE - Smart Data

CAD data

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