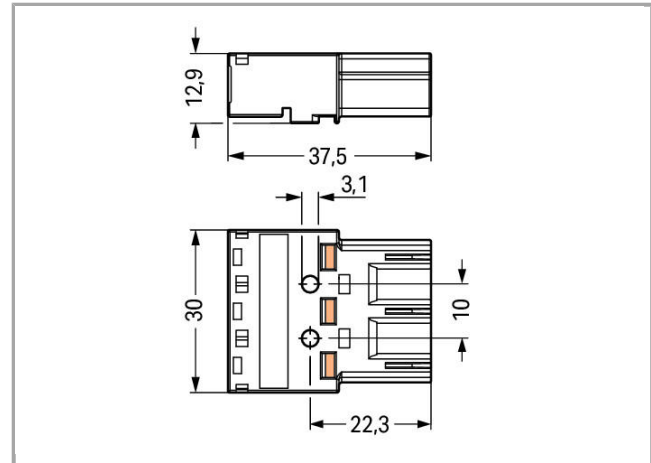


## Data sheet | Item number: 770-273

Plug; 3-pole; Cod. B; 4,00 mm<sup>2</sup>; 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. 1m $\Omega$ contact resistance approx. 0.25m $\Omega$ contact transition plug/socket
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## 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 <sup>®</sup>
Actuation type	Operating tool Push-in
Nominal cross section	4 mm <sup>2</sup>
Solid conductor	0.5 4 mm <sup>2</sup> / 20 12 AWG
Solid conductor, push-in termination	1.5 4 mm <sup>2</sup> / 16 12 AWG
Stranded conductor	0.5 2.5 mm <sup>2</sup> / 20 14 AWG
Fine-stranded conductor	0.5 4 mm <sup>2</sup> / 20 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 1.5 mm <sup>2</sup> / 20 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 2.5 mm <sup>2</sup> / 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 <sup>2</sup> /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
	<b>CCA</b> DEKRA Certification B.V.	IEC 61984	NL-32104
	<b>CCA</b> DEKRA Certification B.V.	EN 61984	2173495.01

### Country specific Approvals

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

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	14- HG1241528- PDA

**DNV GL**

Det Norske Veritas, Germanischer Lloyd

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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**

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

**Locking lever**

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

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

	<b>Item no.: 770-450/000-001</b> Marker card; Plastic; green	770-450 /000-001
	<b>Item no.: 770-450/000-002</b> Marker card; Plastic; yellow	770-450 /000-002
	<b>Item no.: 770-450/000-005</b> Marker card; Plastic; red	770-450 /000-005
	<b>Item no.: 770-450/000-006</b> Marker card; Plastic; blue	770-450 /000-006
	<b>Item no.: 770-450/000-012</b> Marker card; Plastic	770-450 /000-012
<b>Coding</b>		
	<b>Item no.: 770-401</b> Coding pin; for plugs; Plastic; gray	770-401
<b>protection</b>		
	<b>Item no.: 770-360</b> Lockout cap; for plugs; 5-pole; separable; yellow	770-360

Downloads

**Documentation**

Bid Text

770-273	doc 24.6 kB	Download
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**CAD/CAE - Smart Data**

CAD data

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**WSCAD**

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Subject to changes.

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