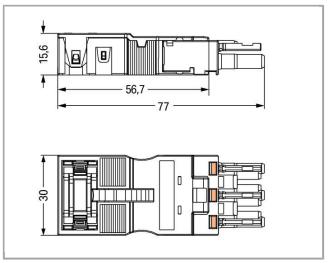
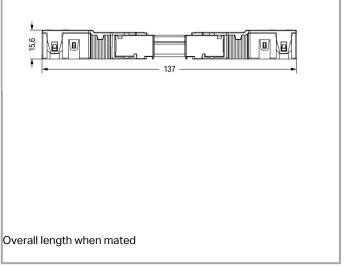
Socket; with strain relief housing; 3-pole; Cod. A

770-203/035-000









## Item description

- Protected against mismating 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

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#### 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)	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

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No. of poles	3
Total number of connection points	6
Total number of potentials	3
Connectable sheathed cable diameter	7 11.5 mm
Conductor entry direction to mating direction	0°
Strip length	48 mm

#### **Geometrical Data**

Pin spacing	10 mm / 0.394 inch
Width	30 mm / 1.181 inch
Height	15.6 mm / 0.614 inch
Depth	77 mm / 3.031 inch

#### Mechanical data

Coding	A
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	L N
Protection class	IP 2xD
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	L N

# 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	no
Strain relief	Zugentlastungsgehäuse

## **Material Data**

Color black	
-------------	--

770-203/035-000



Polyamide 66 (PA 66)
VO
Chrome nickel spring steel (CrNi)
Copper or copper alloy, surface-treated
0.403 MJ
black
17.585 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	4055143209168
Customs Tariff No.	85366990990

## Approvals / Certificates

#### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	LR	IEC 61984	02/20050
LS I	Lloyds Register		(E6)

## Compatible products

#### Marking accessories

warking acce	3301163		
Winners of the last of the las	Item no.: 770-450 Marker card; Plastic		770-450
FE	Item no.: 770-450/000-001 Marker card; Plastic	/UUU-UU I	770-450

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£	Item no.: 770-450/000-002 Marker card; Plastic	/000-002	770-450
	Item no.: 770-450/000-005 Marker card; Plastic	/∪∪∪-∪∪5	770-450
No.	Item no.: 770-450/000-006 Marker card; Plastic	/ບບບ-ບບ๖	770-450
	Item no.: 770-450/000-012 Marker card; Plastic	/UUU-U I 2	770-450
shield connec	tion		
135h	Item no.: 770-523 Shield connecting plate; 3-pole; for sockets and plugs		770-523
Locking lever			
	Item no.: 770-101 Locking lever; for flying leads; for manual operation		770-101
	Item no.: 770-111 Locking lever; for flying leads; for tool operation		770-111
16	Item no.: 770-121 Locking lever; for flying leads; for manual operation		770-121
	Item no.: 770-131 Locking lever; for flying leads; for tool operation		770-131
protection			
1	Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets		770-201
m	Item no.: 770-221 Lockout cap; for socket; 12-pole; separable		770-221
tools			
	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade $(3.5 \times 0.5)$ mm		210-720
1	Item no.: 770-383 Operating tool; 3-way		770-383

## Downloads

## Documentation

# **Bid Text**

770-203/035-000	doc	Download
	24.1 kB	

# Data sheet | Item number: 770-203/035-000 770-203/035-000



Subject to changes.			
			04.05.0040. D