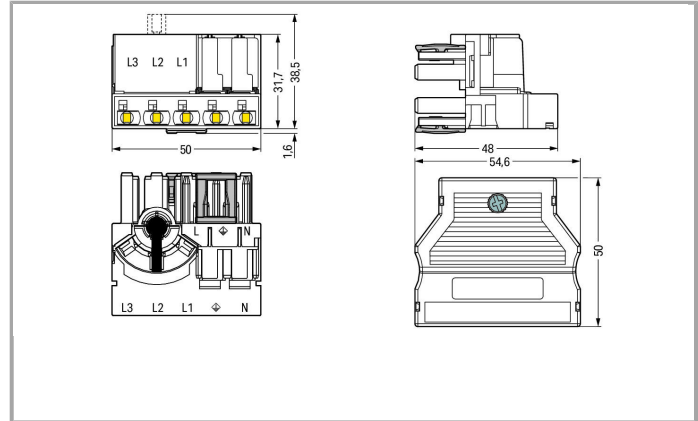
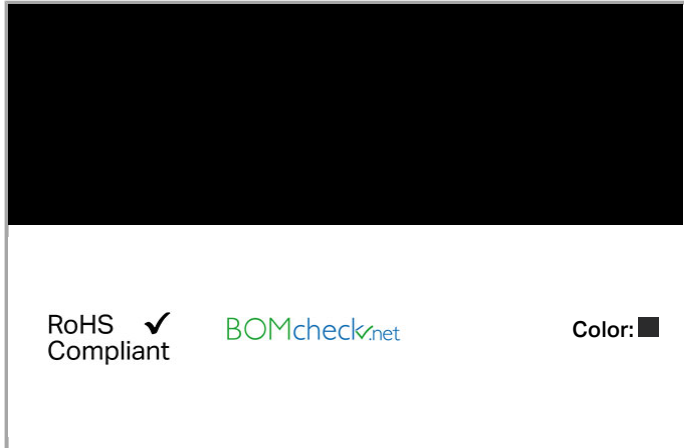


## Data sheet | Item number: 770-611

Distribution connector; with strain relief housing; 3- and 5-pole; 100% protected against mismatching; Cable diameter 9 - 13 mm; with phase selection



[www.wago.com/770-611](http://www.wago.com/770-611)



### Item description

#### 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).

### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	25 A
Rated voltage (III / 3) 2	250 V
Rated impulse voltage (III / 3) 2	4 kV
Legend (ratings)	(III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3

#### Connection data

Connection technology	Push-in CAGE CLAMP®
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
Fine-stranded conductor with ferrule, push-in termination, from	1.5 mm <sup>2</sup> / 16 AWG
Strip length	9 mm / 0.35 Inch
No. of poles	5
Total number of connection points	5
Total number of potentials	5
Ground function	with preceding GND contact
Connectable sheathed cable diameter	9 ... 13 mm

### Geometrical Data

Pin spacing	10 mm (0.394 inch)
Width	50 mm / 1.969 inch
Height	31.7 mm / 1.248 inch
Depth	48 mm / 1.89 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: > 80N
Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Type of distribution connector	Distribution connector with phase selection
Marking	N L1 L2 L3
Degree of protection	IP20
Potential marking	N L1 L2 L3

### Plug connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	yes

### Material Data

Color	black
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	1.008 MJ
Weight	47.264 g

### Environmental Requirements


Surrounding air (operating) temperature	-35 ... 85 °C
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### Commercial data

Country of origin	DE
GTIN	4045454558406
Customs Tariff No.	85366990990

### Approvals / Certificates

#### Country specific Approvals



Logo	Approval	Certificate name
	CCA DEKRA Certification B.V.	NL-32105
	CCA DEKRA Certification B.V.	2173495.02

#### Ship Approvals

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

### Compatible products

#### tools

	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
	Item no.: 770-100 Wiring aid; for solid and stranded conductors	<a href="http://www.wago.com/770-100">www.wago.com/770-100</a>

#### protection

	Item no.: 770-201 Lockout cap; for socket; 12-pole; separable	<a href="http://www.wago.com/770-201">www.wago.com/770-201</a>
	Item no.: 770-221 Lockout cap; for socket; 12-pole; separable	<a href="http://www.wago.com/770-221">www.wago.com/770-221</a>

#### assembling



Item no.: 770-625  
Mounting plate; for distribution connector

[www.wago.com/770-625](http://www.wago.com/770-625)



Item no.: 770-675  
Mounting plate; for distribution connector

[www.wago.com/770-675](http://www.wago.com/770-675)

## Downloads

### Documentation

#### Bid Text

770-611	Jan 21, 2016	DOC	Download
WINSTA MIDI 5-polig		24.6 kB	

## smartDATA

### CAD data

3D Download 770-611	URL	Download
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Subject to changes.