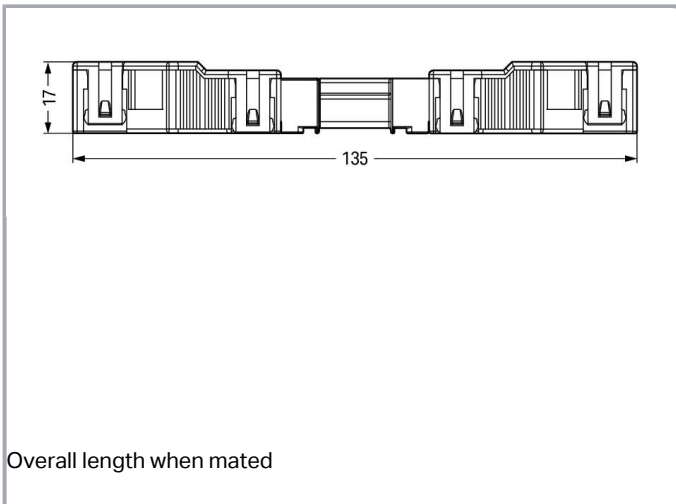
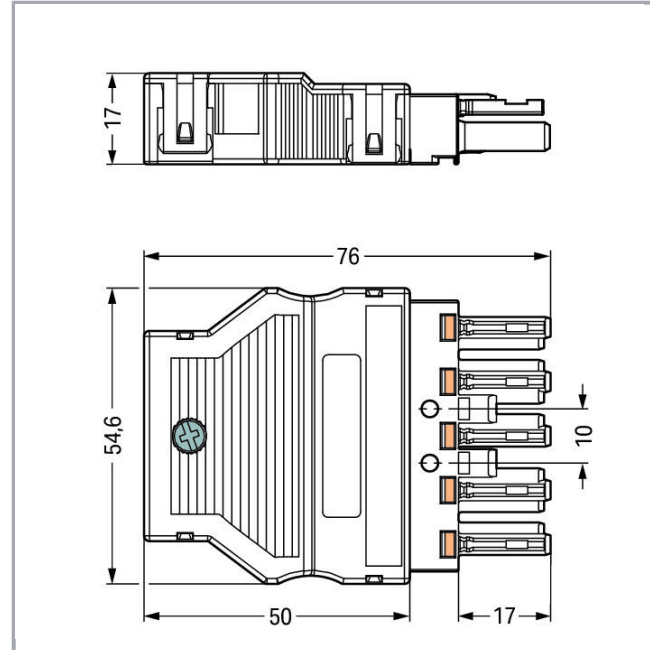


Data sheet | Item number: 770-1105/022-000

Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm²; blue

www.wago.com/770-1105/022-000



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

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
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- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

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).

Note on mismatching protection:

All WINSTA[®] components are 100% protected against mismatching when:

- a.) plugging different numbers of poles
- b.) plugging while rotated 180
- c.) plugging while laterally staggered
- d.) plugging one pole

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. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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 mm ²
Solid conductor	0,5 ... 4 mm ² / 20 ... 12 AWG

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Solid conductor, push-in termination	1,5 ... 4 mm ² / 16 ... 12 AWG
Stranded conductor	0,5 ... 2,5 mm ² / 20 ... 14 AWG
Fine-stranded conductor	0,5 ... 4 mm ² / 20 ... 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0,25 ... 1,5 mm ² / 20 ... 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0,25 ... 2,5 mm ² / 20 ... 14 AWG
Fine-stranded conductor with ferrule, push-in termination, from	1,5 mm ² / 16 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
No. of poles	5
Total number of connection points	10
Total number of potentials	5
Connectable sheathed cable diameter	9 ... 13 mm
Conductor entry direction to mating direction	0°
Strip length	55 mm

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	54,6 mm / 2.15 inch
Height	17 mm / 0.669 inch
Depth	75,9 mm / 2.988 inch

Mechanical data

Technologie	DALI
Coding	I
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load 100, with resistive load $I_N = 25$ A, tested (4 mm ² /AWG 12)
Marking	N L DA- DA+
Protection class	IP20
Note on protection class	In mated condition with strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas.)
Potential marking	N L DA- DA+

Subject to changes. Please also observe the further product documentation!

Application

Lighting management

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductor
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	retrofitable
Strain relief	strain relief housing

Material Data

Color	blue
Insulating material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Connector color	blue
Weight	28.9 g

Environmental Requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on Continuous Service Temperature	Insulating parts for temperatures \leq 105 °C

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821223016
Customs Tariff No.	85366990990

Counterpart



Item no.770-1115

Plug; 5-pole; Cod. I; 4,00 mm²; bluewww.wago.com/770-1115

Item no.770-1115/022-000

Plug; with strain relief housing; 5-pole; Cod. I; 4,00 mm²; bluewww.wago.com/770-1115/022-000

Subject to changes. Please also observe the further product documentation!

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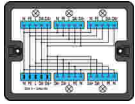
Email: info.de@wago.com | Web: www.wago.com

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	Item no.770-1947 5-way distribution connector; 5-pole; Cod. I; 1 input; 5 outputs; blue	www.wago.com/770-1947
	Item no.770-2115/007-000 Snap-in plug; with direct ground contact; 5-pole; Cod. I; 4,00 mm ² ; blue	www.wago.com/770-2115/007-000
	Item no.770-2115 Snap-in plug; 5-pole; Cod. I; 4,00 mm ² ; blue	www.wago.com/770-2115
	Item no.770-3115 Plug for PCBs; straight; 5-pole; Cod. I; blue	www.wago.com/770-3115
	Item no.770-617 T-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; 2 locking levers; blue	www.wago.com/770-617
	Item no.770-3115/011-000 Plug for PCBs; angled; 5-pole; Cod. I; blue	www.wago.com/770-3115/011-000
	Item no.770-618 3-way distribution connector; 5-pole; Cod. I; 1 input; 3 outputs; blue	www.wago.com/770-618
	Item no.770-620 T-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; 3 locking levers; for flying leads; blue	www.wago.com/770-620
	Item no.770-7105 Linect® T-connector; 5-pole; Cod. I; 1 input; 2 outputs; blue	www.wago.com/770-7105
	Item no.770-992 h-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; outputs on both sides; 2 locking levers; blue	www.wago.com/770-992
	Item no.770-993 h-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; blue	www.wago.com/770-993
	Item no.771-9985/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/771-9985/006-101
	Item no.771-9985/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue	www.wago.com/771-9985/206-101

Subject to changes. Please also observe the further product documentation!



Item no.899-631/313-000
Distribution box; DALI; 1 input; 5 outputs; Cod. I; MIDI; black

www.wago.com/899-631/313-000

Compatible products

Locking lever



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

www.wago.com/770-101



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

www.wago.com/770-111



Item no.: 770-121
Locking lever; for flying leads; for manual operation; white

www.wago.com/770-121



Item no.: 770-131
Locking lever; for flying leads; for tool operation; white

www.wago.com/770-131

tools



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

www.wago.com/210-719

protection



Item no.: 770-201
Lockout cap; 12-pole, separable; 12-pole; for sockets; black

www.wago.com/770-201

Item no.: 770-221
Lockout cap; for socket; 12-pole; separable; white

www.wago.com/770-221

Strain relief plate

Item no.: 770-505
Strain relief housing; 5-pole; for 2 cables; 9.0 ... 13.0 mm; 55 mm; black

www.wago.com/770-505

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

www.wago.com/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

www.wago.com/770-505/023-000

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

www.wago.com/770-515

Subject to changes. Please also observe the further product documentation!

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

www.wago.com/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

www.wago.com/770-515/023-000

Marking accessories

Item no.: 770-450
Marker card; Plastic; white

www.wago.com/770-450

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

www.wago.com/770-450/000-001

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

www.wago.com/770-450/000-002

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

www.wago.com/770-450/000-005

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

www.wago.com/770-450/000-006



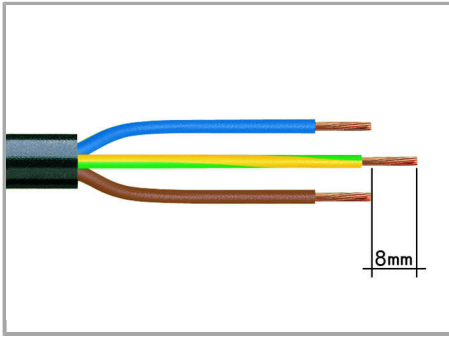
Item no.: 770-450/000-012
Marker card; Plastic; white

www.wago.com/770-450/000-012

Installation Notes

Conductor termination

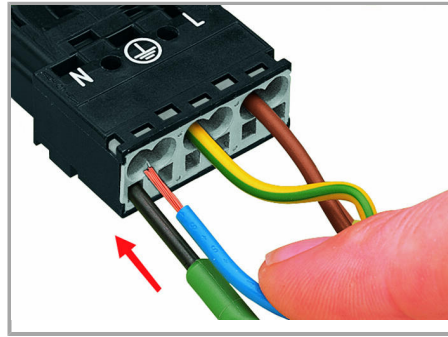
Subject to changes. Please also observe the further product documentation!



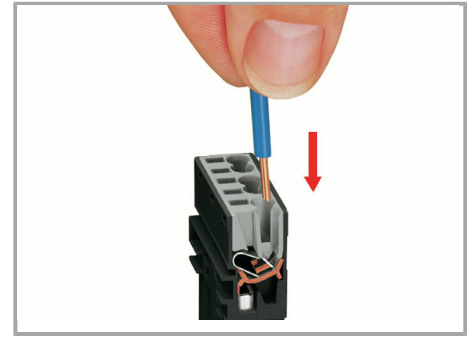
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

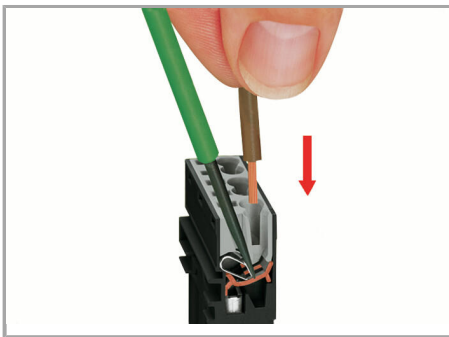
3. Extended ground conductor = 8 mm



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.



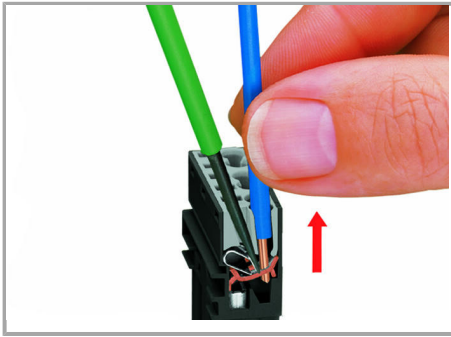
Insert stripped solid conductor until it hits backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.

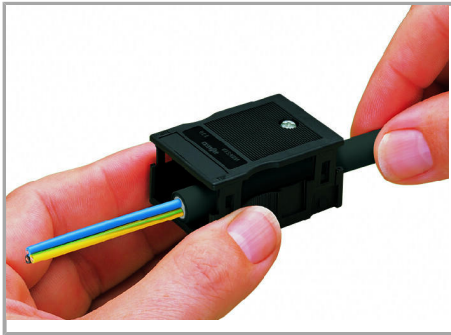
Conductor removal

Subject to changes. Please also observe the further product documentation!

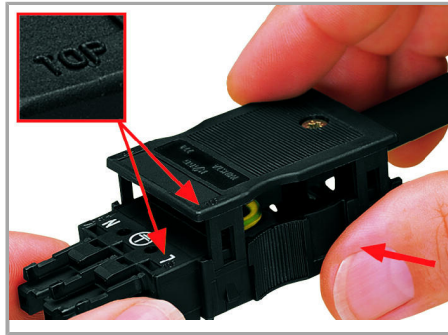


To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

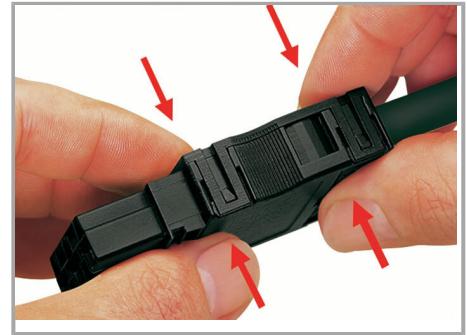
Installation



We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



Latch the strain relief housing on the plug /socket. Note the "TOP" inscription.



Prepare strain relief housing by snapping together upper and bottom part.



Tighten strain relief screw via screwdriver (2.5 mm blade width).

Subject to changes. Please also observe the further product documentation!



Product family

WINSTA® MIDI

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!

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