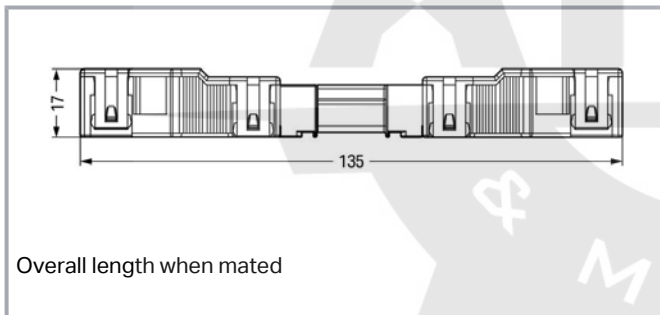
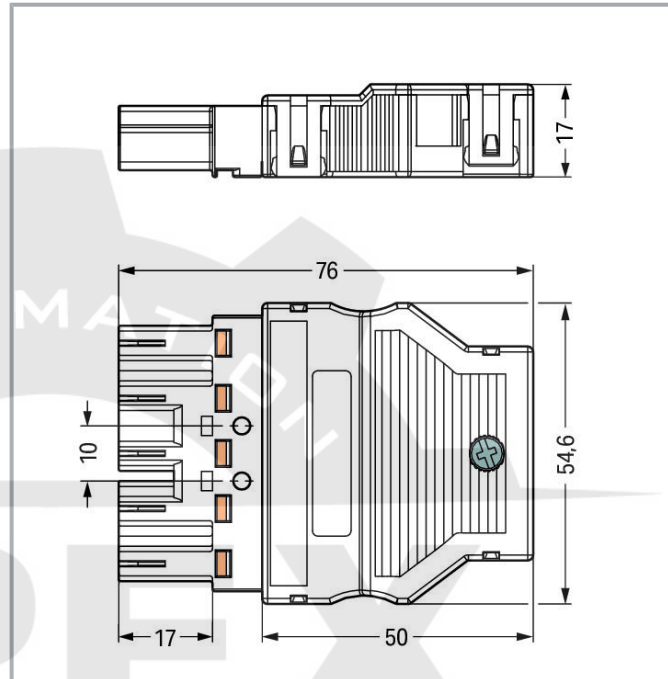
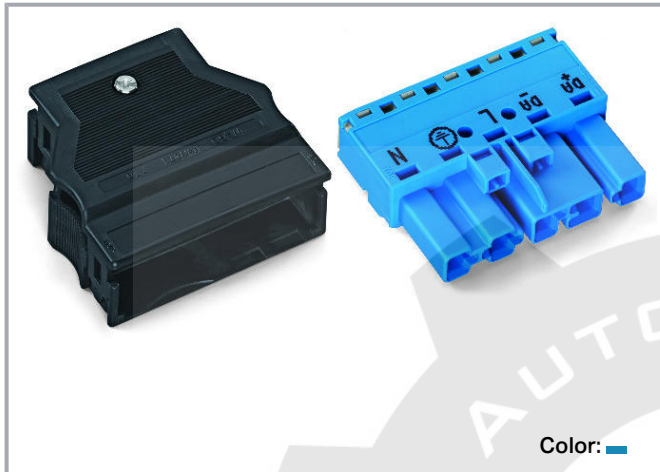


Data sheet | Item number: 770-1115/022-000

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

www.wago.com/770-1115_022-000



Item description

- Set: Plug 770-1115 and strain relief housing 770-505
- 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

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

WAGO Corporation
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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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IEC Approvals

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

Ratings per UL

Hinweis für den amerikanischen Markt	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.
Rated voltage UL 1977	600 V
Rated current UL 1977	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 ... 12 AWG
Fine-stranded conductor	0.5 ... 4 mm² / 20 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm² / 20 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm² / 20 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
Pole No.	5

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Total number of connection points	10
Total number of potentials	5
Ground function	preceding ground contact
Connectable sheathed cable diameter	9 ... 13 mm
Conductor entry direction to mating direction	0°
Strip length (outer insulation)	55 mm

Physical 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

Application	DALI, Lighting Management
Coding	I
Marking	N L DA- DA+
Potential marking	N L DA- DA+
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
Protection class	IP20; When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Protection type	IP20
Note on protection type	When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All WINSTA [®] components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole

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Locking lever	Can be retrofitted
Locking of plug-in connection	locking lever
Hinweis zur Verriegelung	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).
Strain relief	strain relief housing

Material data

Color	blue
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.658 MJ
Connector color	blue
Weight	29.1 g

Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821223009
Customs tariff number	8536694040

Counterpart



Item no.770-1105
Socket; 5-pole; Cod. I; 4,00 mm²; blue

www.wago.com/770-1105



Item no.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 no.770-1947
5-way distribution connector; 5-pole; Cod. I; 1 input; 5 outputs; blue

www.wago.com/770-1947



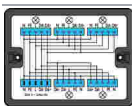
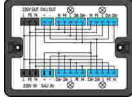
Item no.770-2105
WINSTA® through-panel socket (female); snap-in; N/G/L/DA-/DA+ marking; 5-pole; blue

www.wago.com/770-2105

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

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	Item no.770-3105 Socket for PCBs; straight; 5-pole; Cod. I; blue	www.wago.com/770-3105
	Item no.770-3105/011-000 Socket for PCBs; angled; 5-pole; Cod. I; blue	www.wago.com/770-3105/011-000
	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.770-618 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.770-992 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.770-7105 Linect® T-connector; 5-pole; Cod. I; 1 input; 2 outputs; blue	www.wago.com/770-7105
	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.771-9985/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; blue	www.wago.com/771-9985/106-101
	Item no.771-9985/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; blue	www.wago.com/771-9985/006-101
	Item no.772-272 Tap-off module; for flat cable; 5 x 2.5 mm² + 2 x 1.5 mm²; 5-pole; Cod. I; with cable connection on the output side; blue	www.wago.com/772-272
	Item no.899-631/313-000 Distribution box; DALI; 1 input; 5 outputs; Cod. I; MIDI; black	www.wago.com/899-631/313-000
	Item no.899-631/181-000 Distribution box; 230 V + DALI; 2 inputs; 6 outputs; Cod. A, I; MINI, MIDI; black	www.wago.com/899-631/181-000

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

Required accessories

Cover

	Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable; yellow	www.wago.com/770-360
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Strain relief

	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.: 770-505/023-000 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
	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

Locking levers

	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

Optional accessories

Tools

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

	Item no.: 770-401 Coding pin; for plugs; Plastic; gray	www.wago.com/770-401
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Marking accessories

	Item no.: 770-450 Marker card; Plastic; white	www.wago.com/770-450
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Subject to changes. Please also observe the further product documentation!



	Item no.: 770-450/000-001 Marker card; Plastic; green	www.wago.com/770-450/000-001
	Item no.: 770-450/000-002 Marker card; Plastic; yellow	www.wago.com/770-450/000-002
	Item no.: 770-450/000-005 Marker card; Plastic; red	www.wago.com/770-450/000-005
	Item no.: 770-450/000-006 Marker card; Plastic; blue	www.wago.com/770-450/000-006
	Item no.: 770-450/000-012 Marker card; Plastic; orange	www.wago.com/770-450/000-012
Cover		
	Item no.: 897-2005 Protective cap; Type4; for sockets and plugs; PVC; red	www.wago.com/897-2005
Strain relief		
	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.: 770-515/021-000 Strain relief housing; 5-pole; for 1 cable; 11.5 ... 16.5 mm; 71 mm; white	www.wago.com/770-515/021-000

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-1115/022-000	URL	Download
Plug; with strain relief housing; 5-pole; Cod. I; 4,00 mm²; blue		

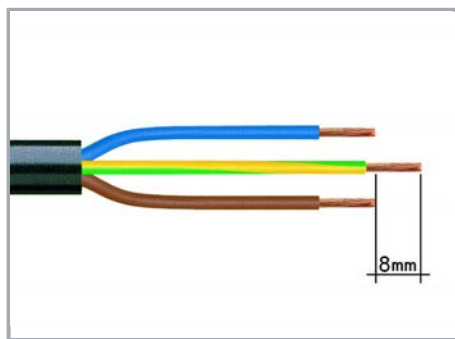
Installation Notes

Conductor termination

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

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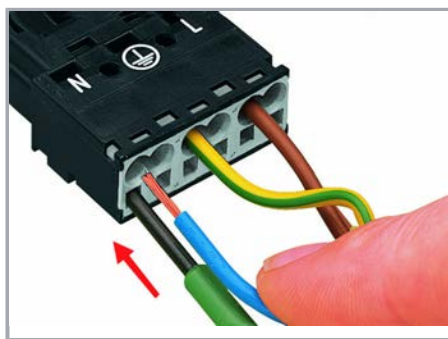
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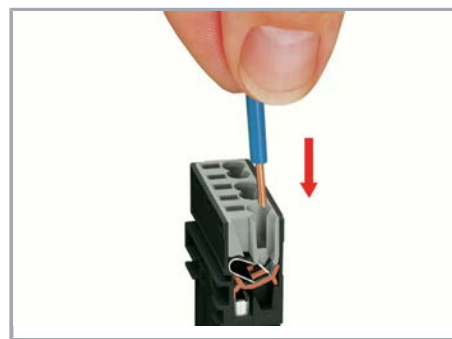
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

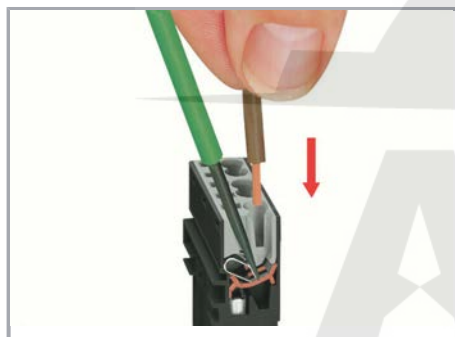
3. Extended ground conductor = 8 mm



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



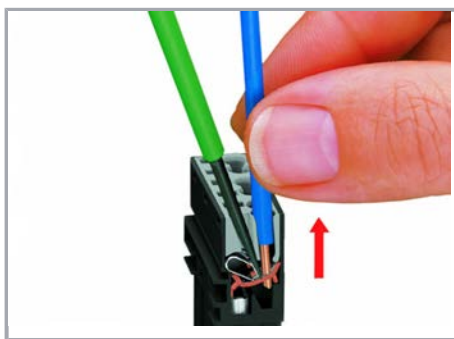
Insert the stripped solid conductor until it hits the backstop.



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

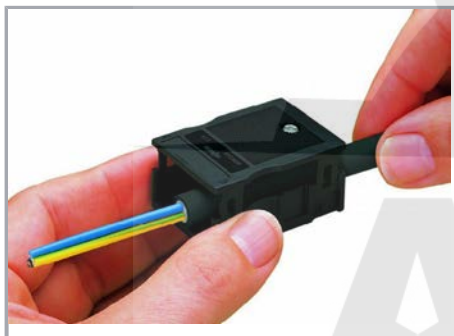
Conductor removal

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.

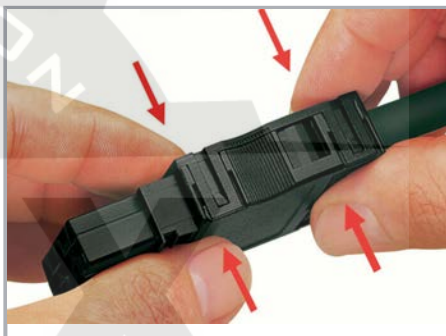
Installation



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 onto the plug /socket. Note the "TOP" inscription.



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



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

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

Product family

<i>WINSTA</i>® MIDI

[Show all products from the family](#)



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

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