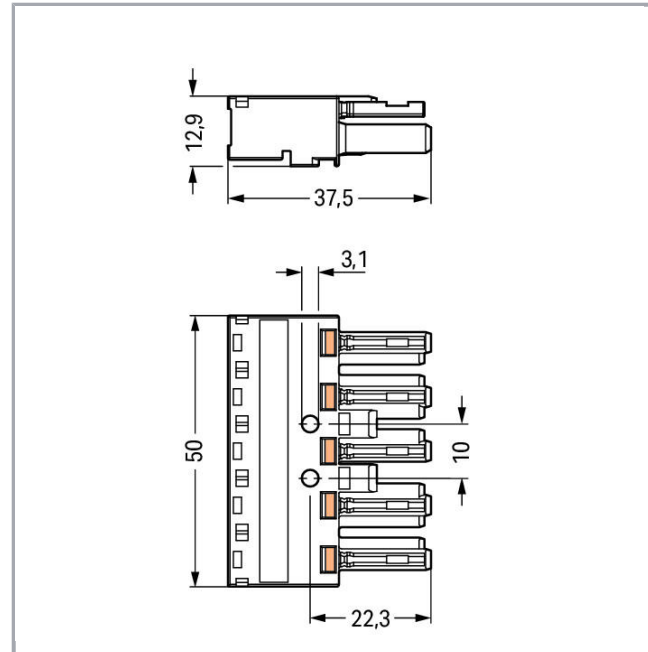
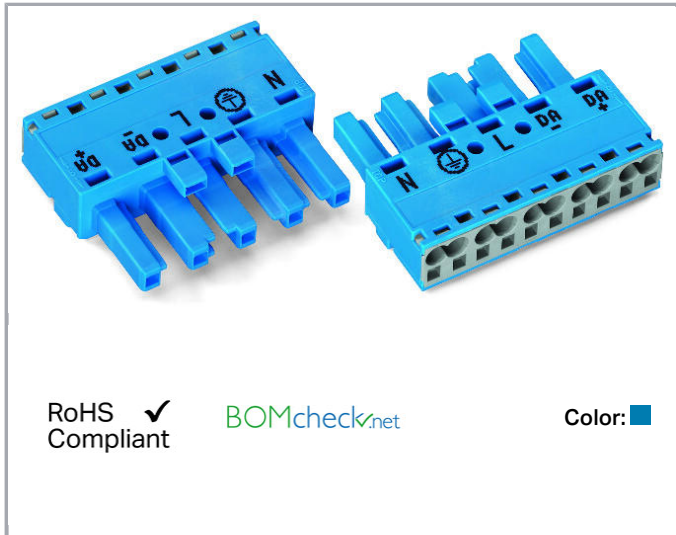


Data sheet | Item number: 770-1105

Socket; 5-pole; Cod. I; 4,00 mm²; blue

www.wago.com/770-1105



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

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

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

**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
----------------------------	---

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
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

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



Conductor entry direction to mating direction	0°
---	----

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	50 mm / 1.969 inch
Height	12,9 mm / 0.508 inch
Depth	37,5 mm / 1.476 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+
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	retrofittable

Material Data

Color	blue
Insulating material	Polyamide 66 (PA 66)

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

Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy (surface-treated)
Fire load	0.257 MJ
Weight	15.4 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	4044918252706
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61535	2173495.02
	CCA DEKRA Certification B.V.	IEC 61535	NL-32105
	VDE VDE Prüf- und Zertifizierungsinstitut	EN 61535	40029808

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1868589- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

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




LR
Lloyds Register

IEC 61984

02/20050
(E6)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171 Sec. 9

Counterpart



Item no.770-1115
Plug; 5-pole; Cod. I; 4,00 mm²; blue

www.wago.com/770-1115



Item no.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 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
Snap-in plug; 5-pole; Cod. I; 4,00 mm²; blue

www.wago.com/770-2115



Item no.770-2115/007-000
Snap-in plug; with direct ground contact; 5-pole; Cod. I; 4,00 mm²; blue

www.wago.com/770-2115/007-000



Item no.770-3115
Plug for PCBs; straight; 5-pole; Cod. I; blue

www.wago.com/770-3115



Item no.770-3115/011-000
Plug for PCBs; angled; 5-pole; Cod. I; blue








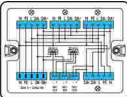
www.wago.com/770-3115/011-000



Item no.770-617
T-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; 2 locking levers; blue




www.wago.com/770-617

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

	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
	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.899-681/146-000 Distribution box; 230 V + DALI; 1 input; 7 outputs; Cod. A, B, I; MINI, MIDI; white	www.wago.com/899-681/146-000

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

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



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

www.wago.com/770-131

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

tools



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



Item no.: 770-100
Wiring aid; for solid and stranded conductors; orange www.wago.com/770-100

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

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



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.: 770-515/021-000

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

Downloads

CAD/CAE-Data

CAD data

2D/3D Models 770-1105

[URL](#)

[Download](#)

CAE data

EPLAN Data Portal 770-1105

[URL](#)

[Download](#)

WSCAD Universe 770-1105

[URL](#)

[Download](#)

Installation Notes

Conductor termination

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

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

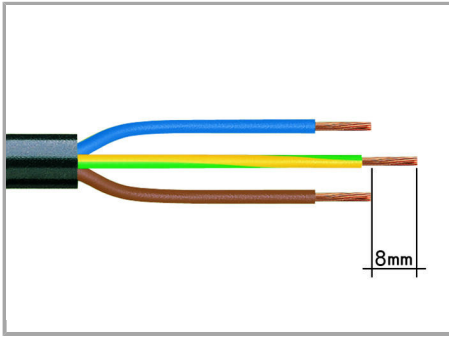
32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

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

Do you have any questions about our products?

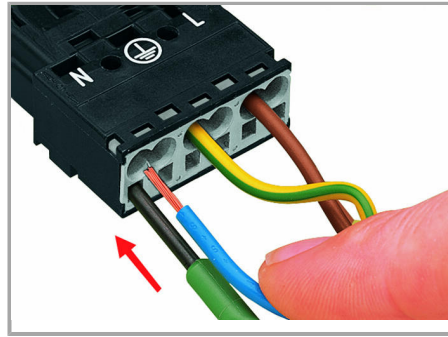
We are always happy to take your call at +49 (571) 887-44222.



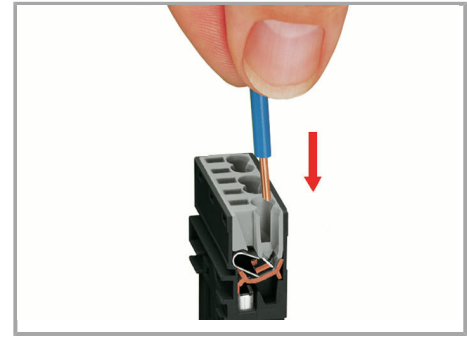
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

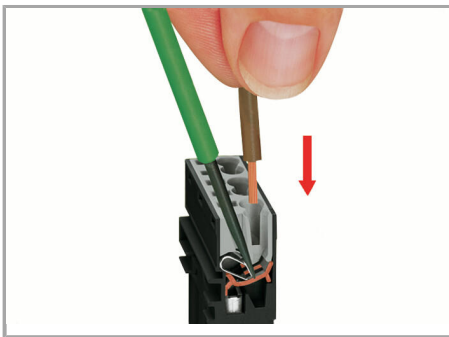
3. Extended ground conductor = 8 mm



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



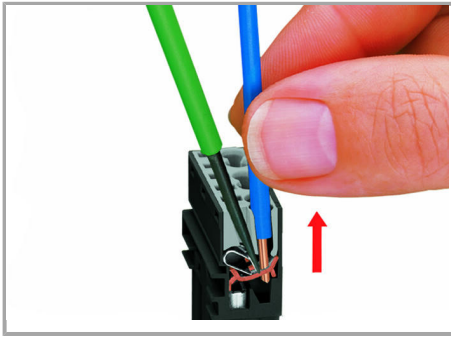
Insert stripped solid conductor until it hits backstop.



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

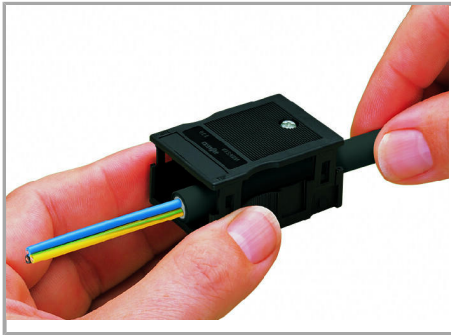
Conductor removal

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

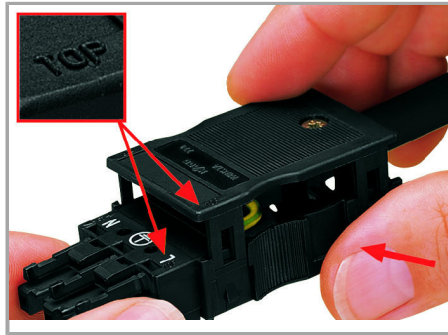


To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

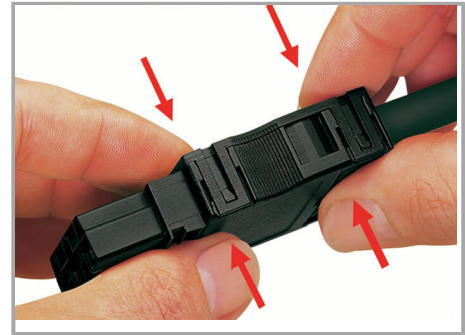
Installation



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!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.