

## Descriere articol

- 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

### Safety information 1:

Supus modificărilor.

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.

## Date

### 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
Nominal 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

### Approvals per UL 1977

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 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 insulated ferrule	0,25 ... 1,5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0,25 ... 2,5 mm <sup>2</sup> / 20 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1,5 mm <sup>2</sup> / 16 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions
Pole No.	5
Total number of connection points	10
Total number of potentials	5
Ground function	with preceding ground contact

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



Conductor entry direction to mating direction	0°
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### 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

Coding	P
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 <sup>2</sup> /AWG 12)
Marking	N L1 L2 L3
Protection type	IP20
Note on protection type	In mated condition with strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas.)
Potential marking	N L1 L2 L3
Application	Computer applications (UPS)

### Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Locking of plug-in connection	locking lever
Locking lever	retrofitable

### Material Data

Color	red
Insulation material	Polyamide 66 (PA 66)
Clamping spring material	Chrome nickel spring steel (CrNi)

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Contact material	Copper or copper alloy (surface-treated)
Fire load	0,317 MJ
Weight	16,3 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




Product Group	20 (WINSTA)
Packaging type	BOX
Country of origin	DE
GTIN	4045454435127
Customs tariff number	85366990990

### Aprobări / certificate

#### Country specific Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>CCA</b> DEKRA Certification B.V.	EN 61535	2173495.02

#### Ship Approvals


Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>ABS</b> American Bureau of Shipping	-	19- HG1868589- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<b>LR</b> Lloyds Register	IEC 61984	02/20050 (E6)

Supus modificărilor.








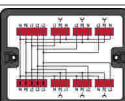


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## UL-Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	cURus Underwriters Laboratories Inc.	UL 1977	E45171 Sec. 9

## Counterpart

	<b>Nr. articol</b> 770-1305 Socket; 5-pole; Cod. P; 4,00 mm <sup>2</sup> ; red	<a href="http://www.wago.com/770-1305">www.wago.com/770-1305</a>
	<b>Nr. articol</b> 770-2305 Snap-in socket; 5-pole; Cod. P; 4,00 mm <sup>2</sup> ; red	<a href="http://www.wago.com/770-2305">www.wago.com/770-2305</a>
	<b>Nr. articol</b> 770-909 3-way distribution connector; 5-pole; Cod. P; 1 input; 3 outputs; red	<a href="http://www.wago.com/770-909">www.wago.com/770-909</a>
	<b>Nr. articol</b> 770-921 T-distribution connector; 5-pole; Cod. P; 1 input; 2 outputs; outputs on both sides; 2 locking levers; red	<a href="http://www.wago.com/770-921">www.wago.com/770-921</a>
	<b>Nr. articol</b> 770-922 T-distribution connector; 5-pole; Cod. P; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; red	<a href="http://www.wago.com/770-922">www.wago.com/770-922</a>
	<b>Nr. articol</b> 770-940 Three-phase to single-phase distribution connector; with phase selection; 5-pole/3-pole; Cod. P; 1 input; 5 outputs	<a href="http://www.wago.com/770-940">www.wago.com/770-940</a>
	<b>Nr. articol</b> 771-9975/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. P; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; red	<a href="http://www.wago.com/771-9975/006-101">www.wago.com/771-9975/006-101</a>
	<b>Nr. articol</b> 899-631/186-000 Distribution box; Three-phase to single-phase current (400 V/230 V); 1 input; 7 outputs; Cod. P; MIDI; black	<a href="http://www.wago.com/899-631/186-000">www.wago.com/899-631/186-000</a>
	<b>Nr. articol</b> 771-9975/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. P; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; red	<a href="http://www.wago.com/771-9975/106-101">www.wago.com/771-9975/106-101</a>
	<b>Nr. articol</b> 772-268 Tap-off module; for flat cable; 5 x 2.5 mm <sup>2</sup> + 2 x 1.5 mm <sup>2</sup> ; 5-pole; Cod. P; with cable connection on the output side; red	<a href="http://www.wago.com/772-268">www.wago.com/772-268</a>

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## Produse compatibile

### Coding



**Nr. articol: 770-401**  
Coding pin; for plugs; Plastic; gray

[www.wago.com/770-401](http://www.wago.com/770-401)

### tools



**Nr. articol: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)



**Nr. articol: 770-100**  
Wiring aid; for solid and stranded conductors; orange

[www.wago.com/770-100](http://www.wago.com/770-100)

### Marking accessories



**Nr. articol: 770-450**  
Marker card; Plastic; white

[www.wago.com/770-450](http://www.wago.com/770-450)



**Nr. articol: 770-450/000-001**  
Marker card; Plastic; white

[www.wago.com/770-450/000-001](http://www.wago.com/770-450/000-001)



**Nr. articol: 770-450/000-002**  
Marker card; Plastic; white

[www.wago.com/770-450/000-002](http://www.wago.com/770-450/000-002)



**Nr. articol: 770-450/000-005**  
Marker card; Plastic; white

[www.wago.com/770-450/000-005](http://www.wago.com/770-450/000-005)



**Nr. articol: 770-450/000-006**  
Marker card; Plastic; white

[www.wago.com/770-450/000-006](http://www.wago.com/770-450/000-006)



**Nr. articol: 770-450/000-012**  
Marker card; Plastic; white

[www.wago.com/770-450/000-012](http://www.wago.com/770-450/000-012)

### Strain relief plate



**Nr. articol: 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](http://www.wago.com/770-505/021-000)



**Nr. articol: 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](http://www.wago.com/770-505/023-000)



**Nr. articol: 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](http://www.wago.com/770-515/021-000)

Supus modificărilor.



Nr. articol: 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](http://www.wago.com/770-515/023-000)

## Descărcări

### CAD/CAE-Data

#### CAD data

2D/3D Models 770-1315

[URL](#)

[Descărcare](#)

#### CAE data

EPLAN Data Portal 770-1315

[URL](#)

[Descărcare](#)

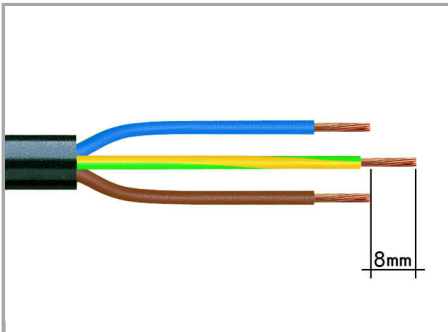
WSCAD Universe 770-1315

[URL](#)

[Descărcare](#)

## Installation Notes

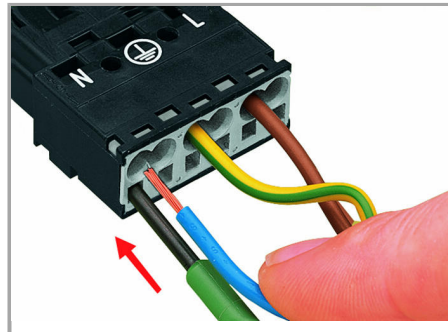
### Conductor termination



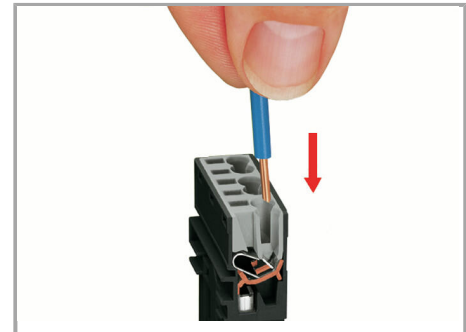
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

2. Strip length = 9 mm

3. Extended ground conductor = 8 mm

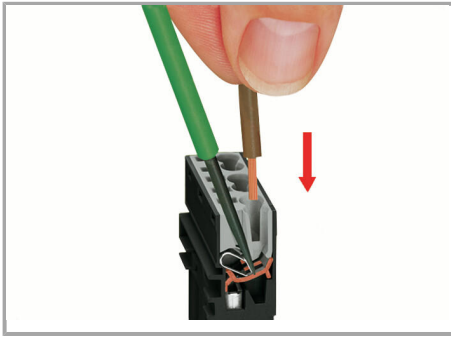


To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.



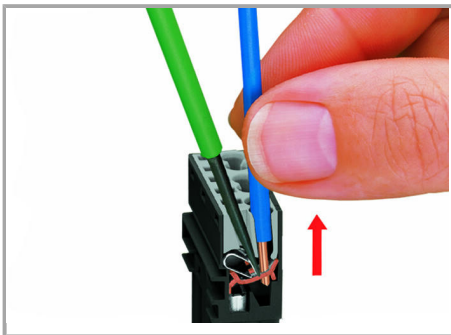
Insert stripped solid conductor until it hits backstop.

Supus modificărilor.



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

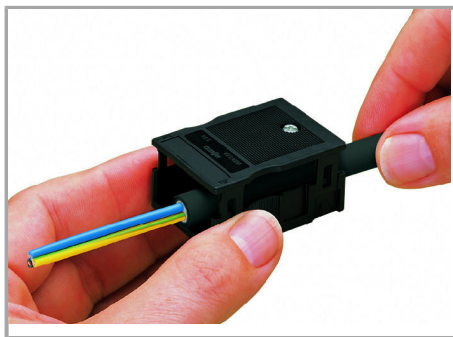


To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

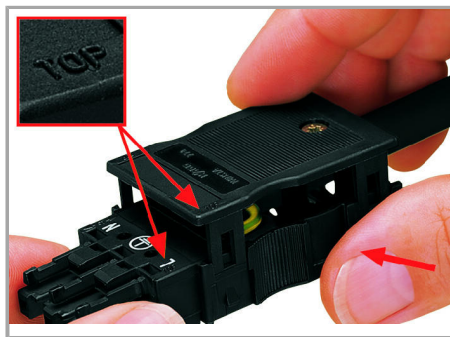
#### Installation

Supus modificărilor.

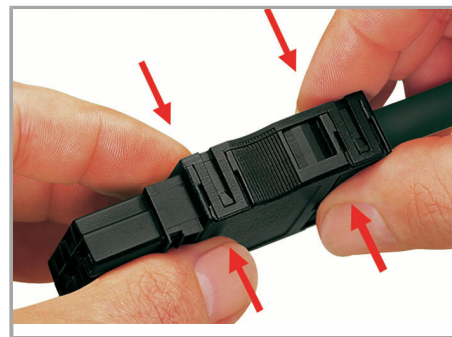




We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



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).

## Familie de produse

*WINSTA*® MIDI

Afișare globală produse din familie.

Supus modificărilor.