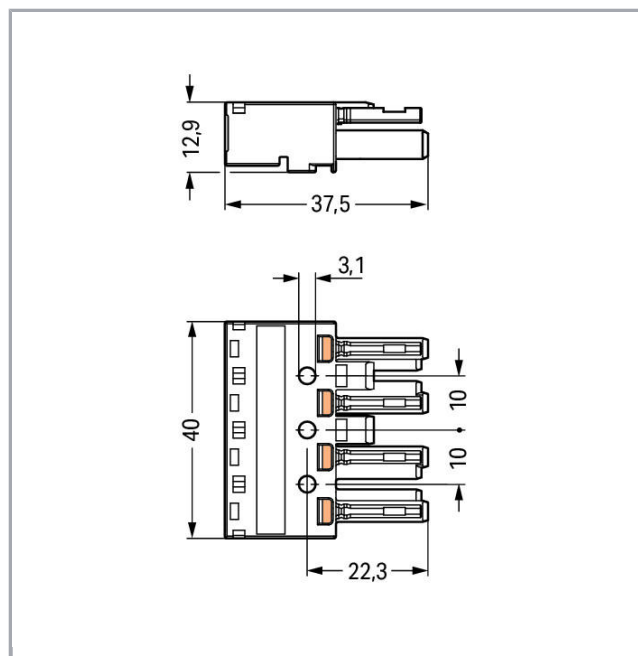
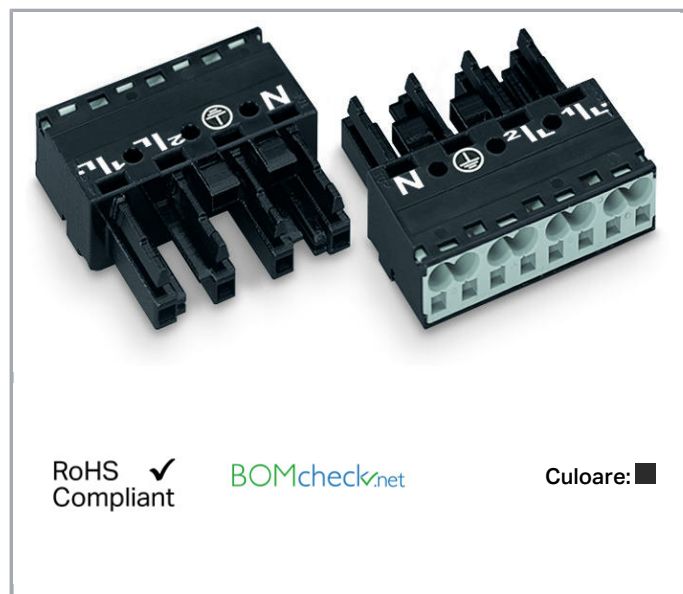


## Fișă tehnică | Număr articol: 770-204

Socket; 4-pole; Cod. A; 4,00 mm<sup>2</sup>; black

[www.wago.com/770-204](http://www.wago.com/770-204)



### 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

Supus modificărilor.

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Aveți întrebări despre produsele noastre?

Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

**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.

**Date****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                                            |
|-----------------------------|-----------------------------------------------------------|
| 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<br>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 ... 14 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.                                                   | 4                                  |
| Total number of connection points                          | 8                                  |
| Total number of potentials                                 | 4                                  |

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

## Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch   |
| Width       | 40 mm / 1.575 inch   |
| Height      | 12,9 mm / 0.508 inch |
| Depth       | 37,5 mm / 1.476 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 | 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<br>100, with resistive load $I_N = 25$ A, tested (4 mm <sup>2</sup> /AWG 12)                                   |
| Marking                                 | N 2/L 1/L'                                                                                                                                 |
| 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 2/L 1/L'                                                                                                                                 |
| Application                             | General mains applications                                                                                                                 |

## 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            |

## Material Data

|                          |                                   |
|--------------------------|-----------------------------------|
| Color                    | black                             |
| 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        | 0,208 MJ                                 |
| Weight           | 12,4 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                  | 4044918252270 |
| Customs tariff number | 85366990990   |

## Aprobări / certificate

### Country specific Approvals

| Emblemă                                                                            | Aprobare                                            | Text de aprobare suplimentar | Nume certificat |
|------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------|-----------------|
|  | <b>CCA</b><br>DEKRA Certification B.V.              | EN 61535                     | 2173495.02      |
|  | <b>VDE</b><br>VDE Prüf- und Zertifizierungsinstitut | EN 61984                     | 40002889        |

### Ship Approvals

| Emblemă                                                                            | Aprobare                                                | Text de aprobare suplimentar | Nume certificat          |
|------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------|--------------------------|
|  | <b>ABS</b><br>American Bureau of Shipping               | -                            | 19-<br>HG1868589-<br>PDA |
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                            | TAE00001Z6               |

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Aveți întrebări despre produsele noastre?  
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LR  
Lloyds Register

IEC 61984

02/20050  
(E6)

## UL-Approvals

| Emblemă                                                                          | Aprobare                                | Text de aprobare suplimentar | Nume certificat  |
|----------------------------------------------------------------------------------|-----------------------------------------|------------------------------|------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1977                      | E45171<br>Sec. 9 |

## Counterpart

|                                                                                    |                                                                                                                                          |                                                                                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|    | <b>Nr. articol</b> 770-114<br>Plug; with strain relief housing; 4-pole; Cod. A; 4,00 mm <sup>2</sup> ; black                             | <a href="http://www.wago.com/770-114">www.wago.com/770-114</a>                 |
|    | <b>Nr. articol</b> 770-214<br>Plug; 4-pole; Cod. A; 4,00 mm <sup>2</sup> ; black                                                         | <a href="http://www.wago.com/770-214">www.wago.com/770-214</a>                 |
|   | <b>Nr. articol</b> 770-626<br>T-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; black                      | <a href="http://www.wago.com/770-626">www.wago.com/770-626</a>                 |
|  | <b>Nr. articol</b> 770-627<br>T-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; black    | <a href="http://www.wago.com/770-627">www.wago.com/770-627</a>                 |
|  | <b>Nr. articol</b> 770-714<br>Snap-in plug; 4-pole; Cod. A; 4,00 mm <sup>2</sup> ; black                                                 | <a href="http://www.wago.com/770-714">www.wago.com/770-714</a>                 |
|  | <b>Nr. articol</b> 770-714/007-000<br>Snap-in plug; with direct ground contact; 4-pole; Cod. A; 4,00 mm <sup>2</sup> ; black             | <a href="http://www.wago.com/770-714/007-000">www.wago.com/770-714/007-000</a> |
|  | <b>Nr. articol</b> 770-814<br>Plug for PCBs; straight; 4-pole; Cod. A; black                                                             | <a href="http://www.wago.com/770-814">www.wago.com/770-814</a>                 |
|  | <b>Nr. articol</b> 770-814/011-000<br>Plug for PCBs; angled; 4-pole; Cod. A; black                                                       | <a href="http://www.wago.com/770-814/011-000">www.wago.com/770-814/011-000</a> |
|  | <b>Nr. articol</b> 770-944<br>h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; black | <a href="http://www.wago.com/770-944">www.wago.com/770-944</a>                 |

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**Nr. articol**770-945

h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; black

[www.wago.com/770-945](http://www.wago.com/770-945)**Nr. articol**771-9994/006-101pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; black[www.wago.com/771-9994/006-101](http://www.wago.com/771-9994/006-101)**Nr. articol**771-9994/206-101pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; black[www.wago.com/771-9994/206-101](http://www.wago.com/771-9994/206-101)**Produse compatibile****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:** 770-504/023-000

Strain relief housing; 4-pole; for 2 cables; 5.0 ... 9.0 mm; 55 mm; black

[www.wago.com/770-504/023-000](http://www.wago.com/770-504/023-000)**Nr. articol:** 770-514/023-000

Strain relief housing; 4-pole; for 2 cables; 5.0 ... 9.0 mm; 55 mm; white

[www.wago.com/770-514/023-000](http://www.wago.com/770-514/023-000)**tools**

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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)

## Descărcări

### CAD/CAE-Data

#### CAD data

2D/3D Models 770-204

[URL](#)[Descărcare](#)

#### CAE data

EPLAN Data Portal 770-204

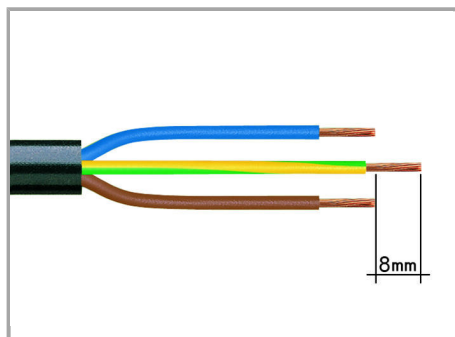
[URL](#)[Descărcare](#)

WSCAD Universe 770-204

[URL](#)[Descărcare](#)

## Installation Notes

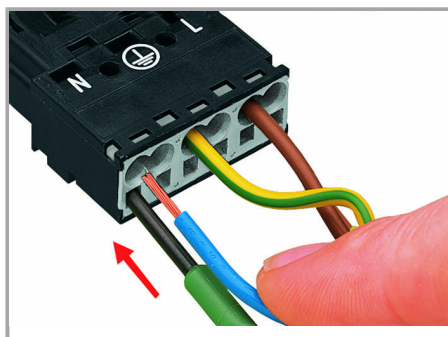
### Conductor termination



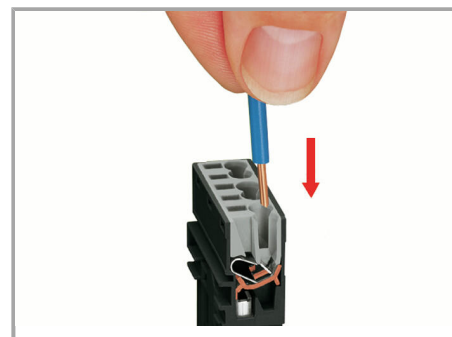
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)

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.



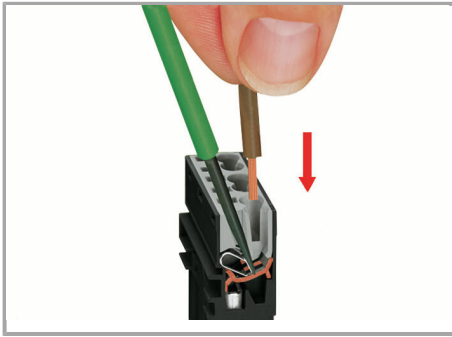
Insert stripped solid conductor until it hits backstop.

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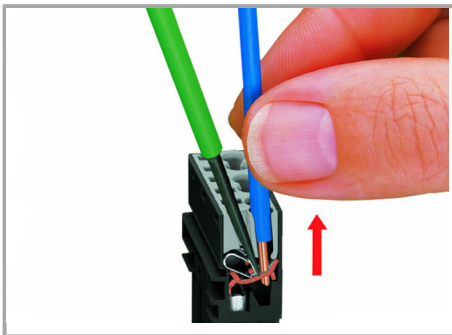
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To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert stripped conductor until it hits backstop.

#### Conductor removal

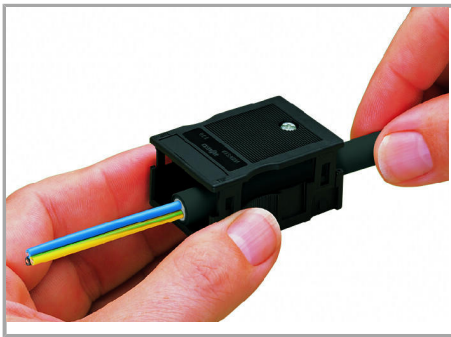


To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

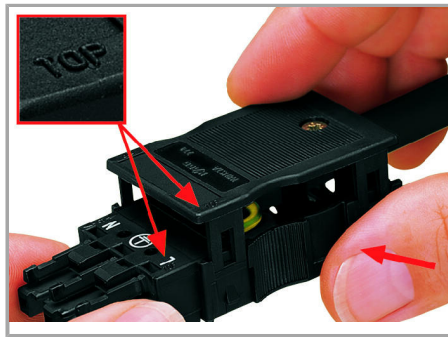
#### Installation

Supus modificărilor.

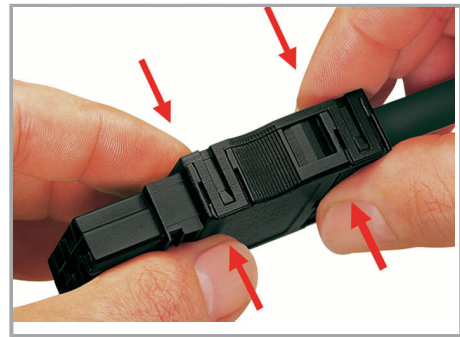




We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



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

**<i>WINSTA</i>® MIDI**

Afișare globală produse din familie.

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