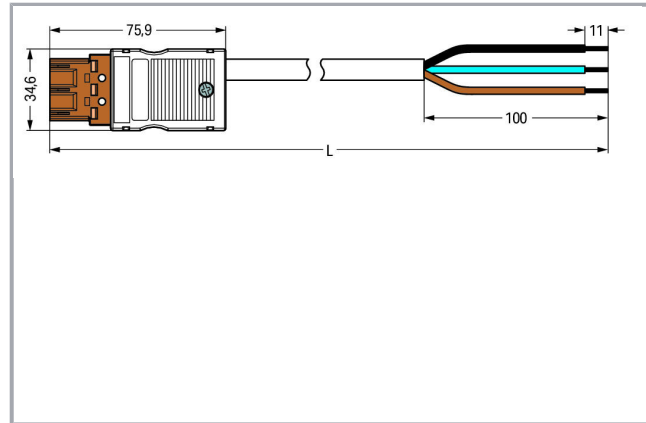
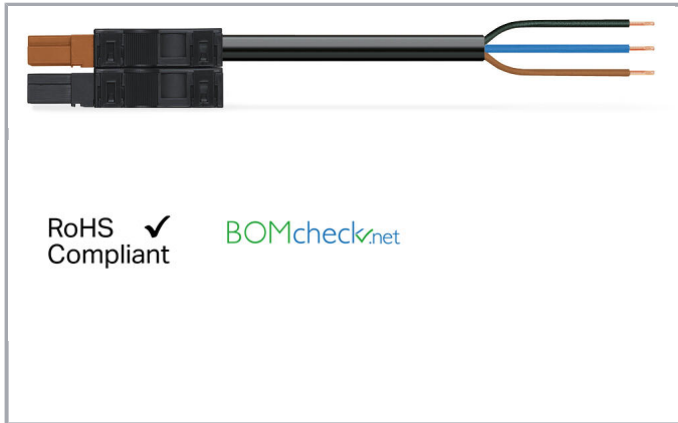


## Data sheet | Item number: 771-5001/131-000

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A/S; 3 m; 1,50 mm<sup>2</sup>; black/brown

[www.wago.com/771-5001/131-000](http://www.wago.com/771-5001/131-000)



### Item description

- Protected against mismatching and maintenance-free
- Additional variable coding is possible

### Note:

Cables with a different fire class can be found in the eShop.

### Note on mismatching protection:

All WINSTA<sup>®</sup> components are 100% protected against mismatching when:

- plugging different numbers of poles
- plugging while rotated 180
- plugging while laterally staggered
- 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

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

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Do you have any questions about our products?  
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### Ratings per IEC/EN 60664-1

|                                 |   |
|---------------------------------|---|
| Ratings per                     | IEC/EN 60664-1  |
| Rated voltage (III / 3)         | 250 V   |
| Rated impulse voltage (III / 3) | 4 kV  |
| Rated current                   | 16 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

|                                   |                       |
|-----------------------------------|-----------------------|
| Total number of potentials        | 3                     |
| Conductor preparation             | tip-bonded            |
| Cable diameter                    | 7,4 ... 9,4 mm        |
| Cross section of single conductor | 1.5 mm <sup>2</sup>   |
| Connection type                   | Plug; Plug - Free end |

### Geometrical Data

|              |                    |
|--------------|--------------------|
| Pin spacing  | 10 mm / 0.394 inch |
| Total length | 3 m                |

### Mechanical data

|   |   |
|---|---|
| Mating force of a plug-in connection    | approx. 20 ... 70 N (depending on pole number)  |
| Retention force of a plug-in connection | when locked: > 80N  |
| Unmating force of a plug-in connection  | when 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> )      |
| Connection type                         | Plug; Plug - Free end   |
| Type of cable assembly                  | Connecting cable  |
| Type of cable                           | H05Z1Z1-F 3x1.5   |
| Protection class                        | IP20  |
| Note on protection class                | Only when mated (these compact connectors are not designed for use in open, easily accessible areas). |
| Suitable                                | for distribution connectors (770-637 and 770-687)   |

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



## Plug connection

|                               |               |
|-------------------------------|---------------|
| Mismating protection          | Yes           |
| Locking of plug-in connection | locking lever |
| Locking lever                 | retrofitable  |

## Material Data

|                                     |  |
|-------------------------------------|--|
| Color                               | black/brown                              |
| Insulating material                 | Polyamide 66 (PA 66)                     |
| Reaction to fire class per EN 50575 | E <sub>ca</sub>                          |
| Contact material                    | Copper or copper alloy (surface-treated) |
| Fire load                           | 3.569 MJ                                 |
| Halogen-free                        | Yes                                      |
| Weight                              | 301 g                                    |

## Environmental Requirements

|  |   |
|--|---|
| Processing temperature                 | -5 ... +40 °C   |
| Continuous operating temperature       | -35 ... +85 °C  |
| Note on Continuous Service Temperature | PVC cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

## Commercial data

|                    |               |
|--------------------|---------------|
| Packaging type     | not packed    |
| Country of origin  | DE            |
| GTIN               | 4050821698258 |
| Customs Tariff No. | 85444290900   |

## Counterpart

## Compatible products

## Coding

Item no.: 770-401

Coding pin; for plugs; Plastic; gray

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

## Locking lever

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

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Item no.: 770-101

Locking lever; for flying leads; for manual operation; black

[www.wago.com/770-101](http://www.wago.com/770-101)

Item no.: 770-111

Locking lever; for flying leads; for tool operation; black

[www.wago.com/770-111](http://www.wago.com/770-111)



Item no.: 770-121

Locking lever; for flying leads; for manual operation; white

[www.wago.com/770-121](http://www.wago.com/770-121)



Item no.: 770-131

Locking lever; for flying leads; for tool operation; white

[www.wago.com/770-131](http://www.wago.com/770-131)

#### protection



Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

[www.wago.com/770-360](http://www.wago.com/770-360)

#### Marking accessories

Item no.: 210-333

Marking strips; as a DIN A4 sheet; Strip width 6 mm; Strip length 182 mm; plain; Self-adhesive; white

[www.wago.com/210-333](http://www.wago.com/210-333)

## Installation Notes

## Product family

*WINSTA* – Specialty Cable Assemblies

[Show all products from the family](#)

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

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