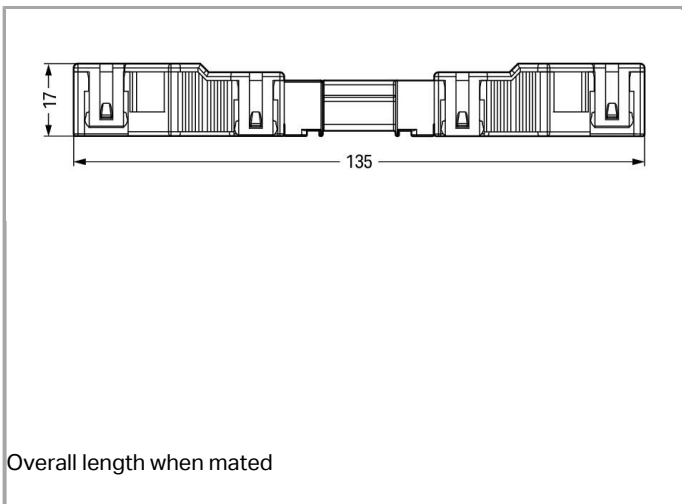
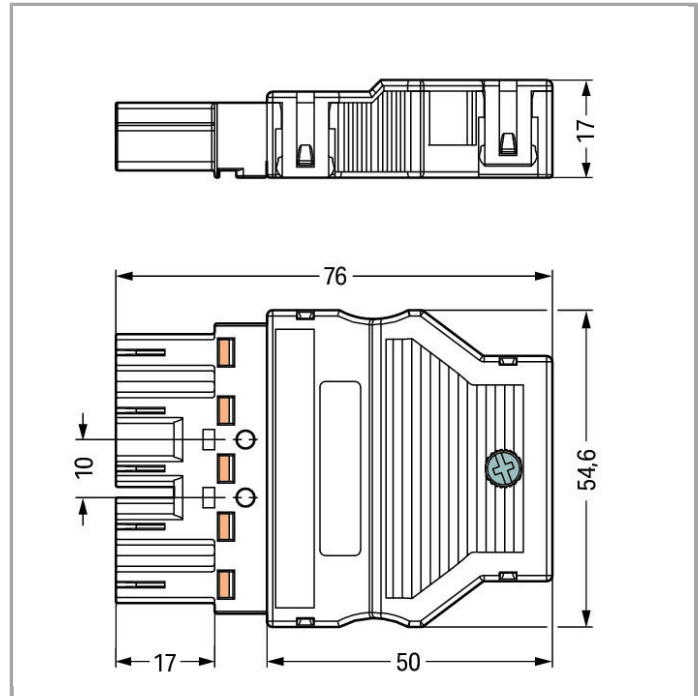
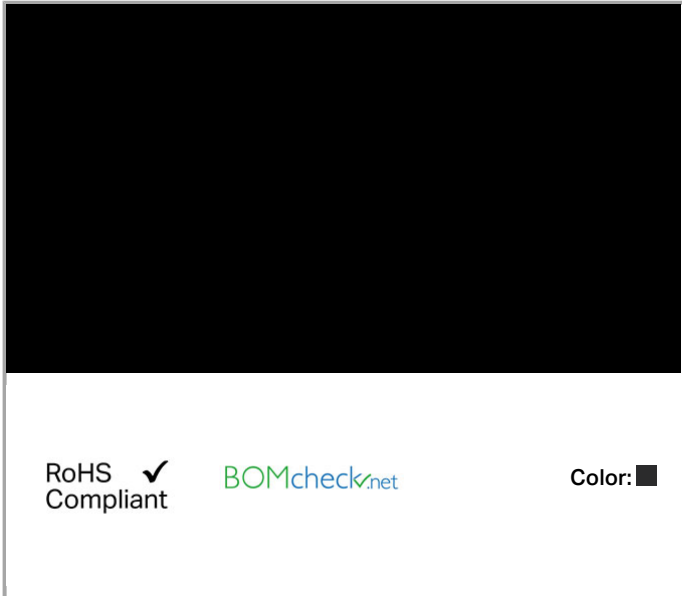


Data sheet | Item number: 770-115

Plug; with strain relief housing; 5-pole; Cod. A

[www.wago.com/770-115](http://www.wago.com/770-115)



Item description

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).



## Data

## Electrical data

## 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) $\triangleq$ Overvoltage category III / Pollution degree 3 |

## Connection data

|   |  |
|---|--|
| Connection technology   | Push-in CAGE CLAMP®                          |
| Actuation type  | Operating tool<br>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 ferrule with plastic collar        | 0.25 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG |
| Fine-stranded conductor with ferrule without plastic collar     | 0.25 ... 2.5 mm <sup>2</sup> / 20 ... 14 AWG |
| Fine-stranded conductor with ferrule, push-in termination, from | 1.5 mm <sup>2</sup> / 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  |
| Ground function   | with preceding GND contact                   |
| Connectable sheathed cable diameter                             | 9 ... 13 mm                                  |
| Conductor entry direction to mating direction                   | 0°   |
| Strip length  | 55 mm  |

## Geometrical 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

|                                      |  |
|--------------------------------------|--|
| Coding                               | A  |
| 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) |
| Marking                                 | N L1 L2 L3  |
| Degree of protection                    | IP20  |
| Potential marking                       | N L1 L2 L3  |

### Plug connection

|                                    |                       |
|------------------------------------|-----------------------|
| Contact type (pluggable connector) | Male connector/plug   |
| Connector connection type          | for conductors        |
| Mismating protection               | Yes                   |
| Locking of plug-in connection      | locking lever         |
| Locking lever                      | no                    |
| Strain relief                      | Strain relief housing |

### Material Data

|                             |   |
|-----------------------------|---|
| Color                       | black                                   |
| Insulating material         | Polyamide 66 (PA 66)                    |
| Flammability class per UL94 | V0                                      |
| Clamping spring material    | Chrome nickel spring steel (CrNi)       |
| Contact material            | Copper or copper alloy, surface-treated |
| Fire load                   | 0.677 MJ                                |
| Weight                      | 29.706 g                                |

### Environmental Requirements

|   |               |
|---|---------------|
| Surrounding air (operating) temperature | -35 ... 85 °C |
|---|---------------|

### Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4044918254441 |
| Customs Tariff No. | 85366990990   |
| Product Group      | 20 (WINSTA)   |

### Approvals / Certificates

#### Country specific Approvals

| Logo | Approval                        | Certificate name |
|------|---------------------------------|------------------|
|      | CCA<br>DEKRA Certification B.V. | NL-32105         |
|      | CCA<br>DEKRA Certification B.V. | 2173495.02       |









VDE  
VDE Prüf- und Zertifizierungsinstitut

40029808

## Ship Approvals





| Logo   | Approval  | Certificate name |
|--|---|------------------|
|  | <b>ABS</b><br>American Bureau of Shipping               | 14-HG1241528-PDA |
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | TAE00001Z6       |
|  | <b>LR</b><br>Lloyds Register                            | 02/20050 (E6)    |

## UL-Approvals



| Logo   | Approval                                       | Certificate name |
|--|--|------------------|
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | E45171 Sec. 9    |

## Compatible products

## Locking lever

|  |  |  |
|--|--|--|
|  | <b>Item no.: 770-101</b><br>Locking lever; manually operated; for "flying leads" | <a href="http://www.wago.com/770-101">www.wago.com/770-101</a> |
|  | <b>Item no.: 770-111</b><br>Locking lever; tool operated; for "flying leads"     | <a href="http://www.wago.com/770-111">www.wago.com/770-111</a> |
|  | <b>Item no.: 770-121</b><br>Locking lever; manually operated; for "flying leads" | <a href="http://www.wago.com/770-121">www.wago.com/770-121</a> |
|  | <b>Item no.: 770-131</b><br>Locking lever; tool operated; for "flying leads"     | <a href="http://www.wago.com/770-131">www.wago.com/770-131</a> |

## Marking accessories

|  |   |  |
|--|---|--|
|  | <b>Item no.: 770-450</b><br>Marker card; for manual marking         | <a href="http://www.wago.com/770-450">www.wago.com/770-450</a>                 |
|  | <b>Item no.: 770-450/000-001</b><br>Marker card; for manual marking | <a href="http://www.wago.com/770-450/000-001">www.wago.com/770-450/000-001</a> |



**Item no.: 770-450/000-002**  
Marker card; for manual marking

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



**Item no.: 770-450/000-005**  
Marker card; for manual marking

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



**Item no.: 770-450/000-006**  
Marker card; for manual marking

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



**Item no.: 770-450/000-012**  
Marker card; for manual marking

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

**protection**



**Item no.: 770-360**  
Lockout cap; for plugs; 5-pole; separable

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

**tools**



**Item no.: 210-720**  
Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

[www.wago.com/210-720](http://www.wago.com/210-720)



**Item no.: 770-100**  
Wiring aid; for solid and stranded conductors

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

**Coding**



**Item no.: 770-401**  
Coding pin; for plugs

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

**Downloads**

**Documentation**

**Bid Text**

|                     |              |         |          |
|---------------------|--------------|---------|----------|
| 770-115             | Jan 21, 2016 | DOC     | Download |
| WINSTA MIDI 5-polig |              | 24.1 kB |          |

**smartDATA**

**CAD data**

|                     |     |          |
|---------------------|-----|----------|
| 3D Download 770-115 | URL | Download |
|---------------------|-----|----------|



Subject to changes.

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