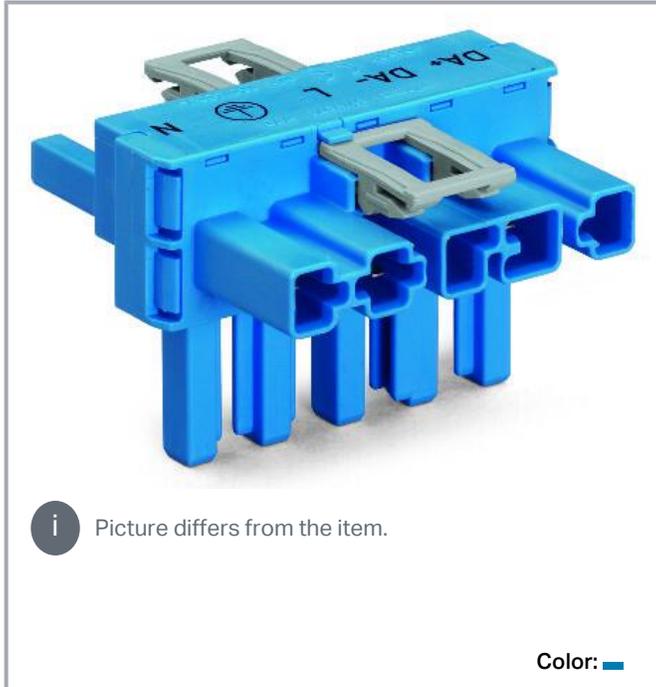


## Data sheet | Item number: 770-620

T-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; 3 locking levers;  
for flying leads; blue

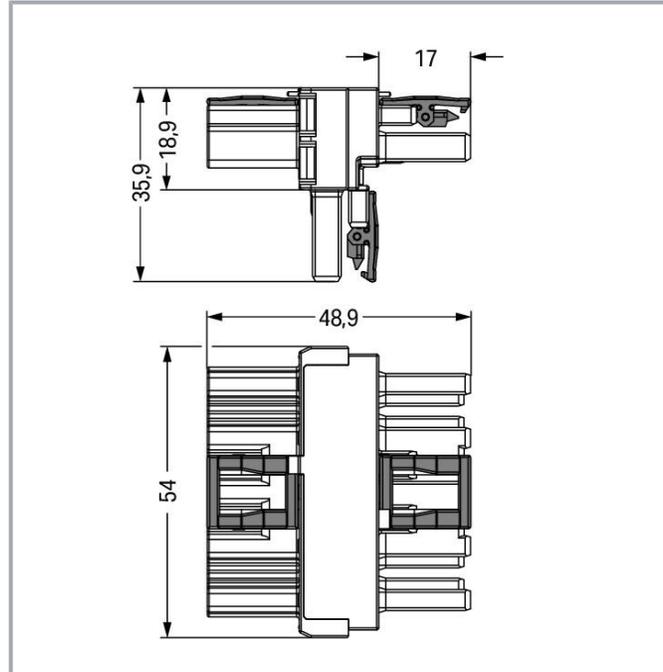


[www.wago.com/770-620](http://www.wago.com/770-620)



Picture differs from the item.

Color: 



### Item description

#### Distribution connector *WINSTA*® MIDI with protection against mismatching

The *WINSTA*® MIDI distribution connector 5-pole is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to an enormous variety of requirements in seconds. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Controlled lighting, as used in the DALI standard, for instance, is the main use of *WINSTA*® MIDI pluggable installation connectors with I coding. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. Our *WINSTA*® MIDI product line allows total flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it achieves error-free, time-saving installation and offers customization for meeting all installation requirements.

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

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Do you have any questions about our products?  
We are always happy to take your call at 01788 568 008.



## Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – the WINSTA® MIDI pluggable installation connector with protection against mismatching from WAGO makes the electrical installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismatching
- pre-assembled versions
- with I coding for controlling light (DALI standard)
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

### Data

#### Electrical data

|                            |  |
|----------------------------|--|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/socket |
|----------------------------|--|

#### Ratings per IEC/EN

|                               |   |
|-------------------------------|---|
| Ratings per                   | IEC/EN 60664-1  |
| Nominal 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 |

#### Ratings per UL

|                         |  |
|-------------------------|--|
| Note for the US market  | 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. |
| Rated voltage (UL 1977) | 600 V  |
| Rated current UL 1977   | 23 A   |

#### Connection data

|                            |   |
|----------------------------|---|
| Total number of potentials | 5 |
|----------------------------|---|

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

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 We are always happy to take your call at 01788 568 008.



|             |                      |
|-------------|----------------------|
| PE function | Preceding PE contact |
|-------------|----------------------|

### Connection 1

|             |   |
|-------------|---|
| Pole number | 5 |
|-------------|---|

### Physical data

|             |                      |
|-------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch   |
| Width       | 54 mm / 2.126 inch   |
| Height      | 35.9 mm / 1.413 inch |
| Depth       | 48.9 mm / 1.925 inch |

### Mechanical data

|   |   |
|---|---|
| Application                             | DALI, Lichtmanagement   |
| Coding                                  | I   |
| Variable coding                         | No  |
| Marking                                 | N $\frac{1}{2}$ L DA- DA+   |
| Potential marking                       | N $\frac{1}{2}$ L DA- DA+   |
| Mating force of a plug-in connection    | approx. 20 ... 70 N (depending on pole number)  |
| Retention force of a plug-in connection | When 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   |
| Type of distribution box                | T-distribution connector  |
| Protection type                         | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |
| Suitable                                | for flying leads  |

### Plug-in connection

|                                    |   |
|------------------------------------|---|
| Contact type (pluggable connector) | Socket/plug   |
| Mismating protection               | Yes   |
| Note on mismating protection       | All WINSTA® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole |
| Locking lever                      | yes   |
| Locking of plug-in connection      | locking lever   |
| Note on locking system             | All connectors for mounted installations (snap-in versions for  |

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



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).

## Material data

|                      |  |
|----------------------|--|
| Note (material data) | Information on material data can be found here |
| Color                | blue   |
| Insulation material  | Polyamide (PA66)                               |
| Contact material     | Copper or copper alloy; surface-treated        |
| Fire load            | 0.466 MJ                                       |
| Weight               | 24.9 g   |

## Environmental requirements

|  |   |
|--|---|
| Processing temperature                   | -5 ... +40 °C                                   |
| Continuous operating temperature         | -35 ... +85 °C                                  |
| Note on continuous operating temperature | Insulating parts for temperatures $\leq 105$ °C |

## Commercial data

|                                     |               |
|-------------------------------------|---------------|
| PU (SPU)                            | 50 Stück      |
| Packaging type                      | box           |
| Country of origin VKOrg Germany     | DE            |
| GTIN                                | 4044918934985 |
| Customs tariff number VKOrg Germany | 85366990990   |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval                        | Additional Approval Text | Certificate name |
|------|---------------------------------|--------------------------|------------------|
|      | CCA<br>DEKRA Certification B.V. | EN 61535                 | 2173495.02       |
|      | CCA<br>DEKRA Certification B.V. | IEC 61535                | NL-32105         |

### Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|------|----------|--------------------------|------------------|

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



**ABS**  
American Bureau of Shipping

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19-  
HG1868589-  
PDA

**DNV GL**  
Det Norske Veritas, Germanischer Lloyd

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TAE00001Z6



**LR**  
Lloyds Register

IEC 61984

02/20050  
(E6)

### UL-Approvals

| Logo   | Approval                                       | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | UL 1977                  | E45171           |

### Counterpart

|  |  |  |
|--|--|--|
|   | <b>Item no.770-1105/022-000</b><br>Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm <sup>2</sup> ; blue   | <a href="http://www.wago.com/770-1105/022-000">www.wago.com/770-1105/022-000</a> |
|  | <b>Item no.770-1105</b><br>Socket; 5-pole; Cod. I; 4,00 mm <sup>2</sup> ; blue   | <a href="http://www.wago.com/770-1105">www.wago.com/770-1105</a>                 |
|  | <b>Item no.770-1115</b><br>Plug; 5-pole; 4,00 mm <sup>2</sup> ; blue   | <a href="http://www.wago.com/770-1115">www.wago.com/770-1115</a>                 |
|  | <b>Item no.771-9985/006-101</b><br>pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue  | <a href="http://www.wago.com/771-9985/006-101">www.wago.com/771-9985/006-101</a> |
|  | <b>Item no.770-1115/022-000</b><br>Plug; with strain relief housing; 5-pole; 4,00 mm <sup>2</sup> ; blue   | <a href="http://www.wago.com/770-1115/022-000">www.wago.com/770-1115/022-000</a> |
|  | <b>Item no.771-9985/106-101</b><br>pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue | <a href="http://www.wago.com/771-9985/106-101">www.wago.com/771-9985/106-101</a> |
|  | <b>Item no.771-9985/206-101</b><br>pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue   | <a href="http://www.wago.com/771-9985/206-101">www.wago.com/771-9985/206-101</a> |

### Optional accessories

|              |
|--------------|
| <b>Cover</b> |
| Cover        |

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

Item no.: 770-360

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

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



Item no.: 770-201

Lockout cap; 12-pole, separable; 12-pole; for sockets; black

[www.wago.com/770-201](http://www.wago.com/770-201)



Item no.: 770-221

Lockout cap; for socket; 12-pole; separable; white

[www.wago.com/770-221](http://www.wago.com/770-221)

## Mounting

Mounting accessories



Item no.: 770-354

Mounting plate; 2- to 5-pole; for distribution connectors; silver-colored

[www.wago.com/770-354](http://www.wago.com/770-354)

## Downloads

### Documentation

#### Bid Text

|                         |             |                |          |
|-------------------------|-------------|----------------|----------|
| 770-620<br>X81 - Datei  | 19 Feb 2019 | xml<br>2.9 kB  | Download |
| 770-620<br>doc - Datei  | 12 Mar 2015 | doc<br>23.6 kB | Download |
| ausschreiben.de 770-620 |             | URL            | Download |

### CAD/CAE-Data

#### CAD data

|                      |  |     |          |
|----------------------|--|-----|----------|
| 2D/3D Models 770-620 |  | URL | Download |
|----------------------|--|-----|----------|

#### CAE data

|                           |  |     |          |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 770-620 |  | URL | Download |
| ZUKEN Portal 770-620      |  | URL | Download |
| WSCAD Universe 770-620    |  | URL | Download |

## Environmental Product Compliance

### Compliance Search

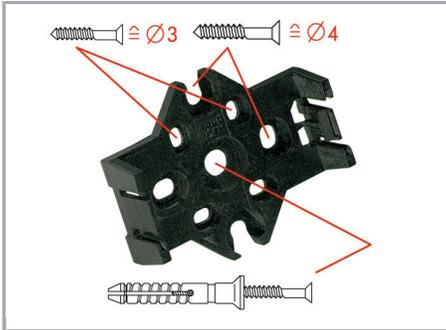
Subject to changes. Please also observe the further product documentation!

Environmental Product Compliance 770-620

T-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; 3 locking levers; for flying leads; blue

## Installation Notes

### Installation



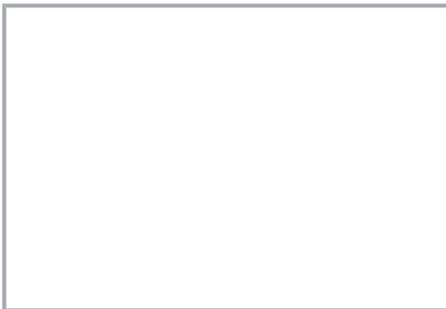
Mounting plates can be secured using commercially available screws or nail-drive anchors.



The distribution connectors snap together when attached to the mounting plate.



To release the distribution connector, unlock the latch using a screwdriver.



All distribution connector connections are locked and protected against accidental disconnection directly after mating. Locking of any connection is released using a screwdriver, even if all connections are used.

## Product family

**WINSTA® MIDI**

[Show all products from the family](#)

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