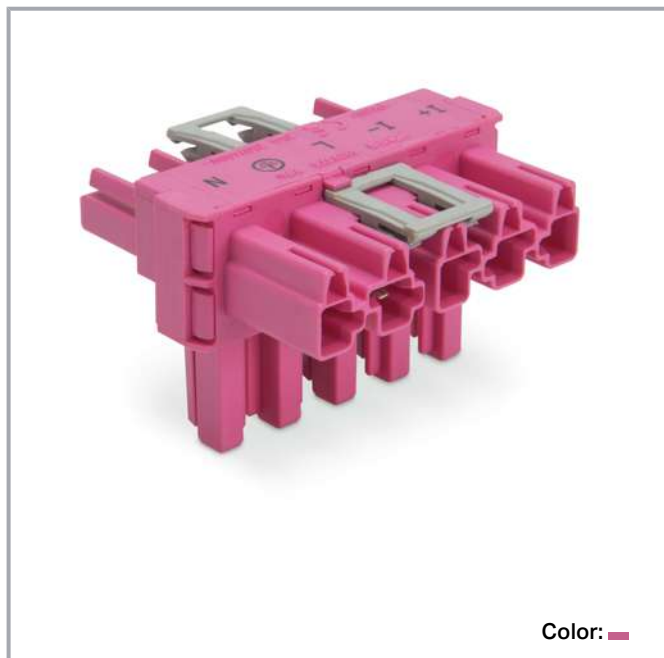


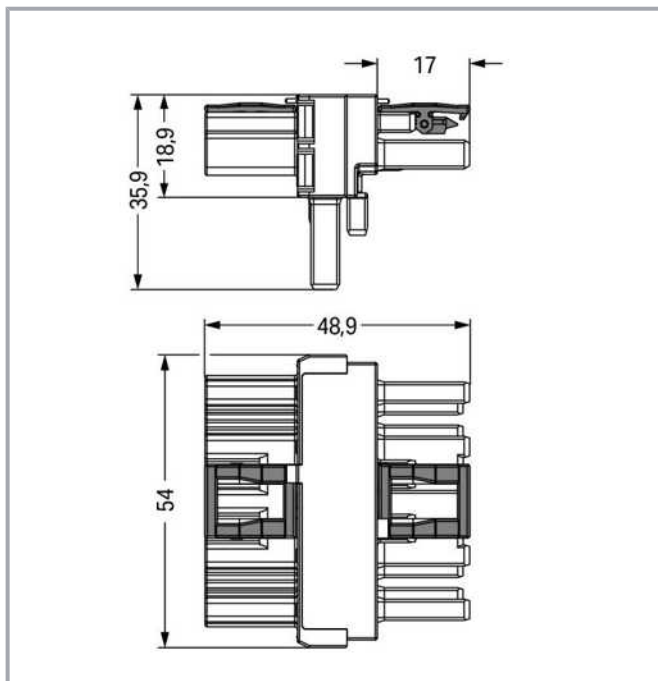
## Data sheet | Item number: 770-1743/080-000

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

[www.wago.com/770-1743\\_080-000](http://www.wago.com/770-1743_080-000)



Color: ■



### Item description

#### Distribution connector *WINSTA*® MIDI with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MIDI distribution connector rated current 25 A. The pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in a large number of applications.

The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected in accordance with protection type IP20. This means that users' fingers will never come into contact with energised contact elements. Electrical drive types, such as those used in sun protection systems or shading systems, can be selected via the SMI protocol. Pluggable installation connectors with B coding from the *WINSTA*® MIDI line are available in grey, light grey, or pink, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Customer-specific pole marking is possible in addition. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates safe electrification. Thanks to the integrated test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and costs.

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
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## Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also reduce installation costs without compromising safety and quality: The WINSTA® MIDI pluggable installation connector with marking reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- simple circuits
- with B coding for controllers, for example sun blinds and lighting fixtures
- ready for immediate use
- rapid, structured electrical installation

### Data

#### Electrical data

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

#### IEC Approvals

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

#### Ratings per UL

|                                      |  |
|--------------------------------------|--|
| Hinweis für den amerikanischen Markt | 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. |
| Rated voltage UL 1977                | 600 V  |
| Rated current UL 1977                | 23 A   |

#### Connection data

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## Connection 1

|                 |   |
|-----------------|---|
| Number of poles | 5 |
|-----------------|---|

## Physical data

|             |                      |
|-------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch   |
| Width       | 54 mm / 2.126 inch   |
| Height      | 36.1 mm / 1.421 inch |
| Depth       | 48.9 mm / 1.925 inch |

## Mechanical data

|   |   |
|---|---|
| technology                              | SMI   |
| Application                             | Measurement and regulation technology   |
| Marking                                 | N L I- I+   |
| Potential Marking                       | N L I- I+   |
| 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   |
| Protection class                        | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |
| Suitable                                | for flying leads  |

## Plug-in connection

|                              |  |
|------------------------------|--|
| Mismating protection         | Yes  |
| Note on mismating protection | All WINSTA <sup>®</sup> 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  |
| Hinweis zur Verriegelung     | 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). |

## Material data

|       |      |
|-------|------|
| Color | pink |
|-------|------|

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



|                     |  |
|---------------------|--|
| Insulation material | Polyamide (PA66)                         |
| Contact material    | Copper or copper alloy (surface-treated) |
| Fire load           | 0.526 MJ                                 |
| Weight              | 26.7 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     | DE          |
| Customs tariff number | 85444290900 |

## Other

|            |     |
|------------|-----|
| technology | SMI |
|------------|-----|

## Counterpart



**Item no.770-285/080-000**  
Socket; 5-pole; Cod. B; 4,00 mm<sup>2</sup>; pink

[www.wago.com/770-285/080-000](http://www.wago.com/770-285/080-000)



**Item no.770-295/080-000**  
Plug; 5-pole; 4,00 mm<sup>2</sup>; pink

[www.wago.com/770-295/080-000](http://www.wago.com/770-295/080-000)



**Item no.771-9935/006-107/080-000**  
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; H05VV-F 5G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; pink

[www.wago.com/771-9935/006-107/080-000](http://www.wago.com/771-9935/006-107/080-000)



**Item no.771-9935/106-107/080-000**  
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; H05VV-F 5G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; pink

[www.wago.com/771-9935/106-107/080-000](http://www.wago.com/771-9935/106-107/080-000)



**Item no.771-9935/206-307/080-000**  
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. B; H05VV-F 5G 1.5 mm<sup>2</sup>; 3 m; 1,50 mm<sup>2</sup>; pink

[www.wago.com/771-9935/206-307/080-000](http://www.wago.com/771-9935/206-307/080-000)

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## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 770-1743/080-000

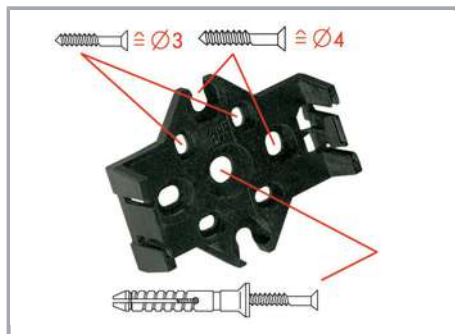
URL

Download

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

## Installation Notes

### Installation



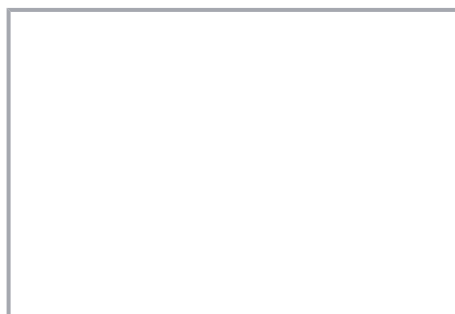
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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

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**WINSTA® MIDI**

[Show all products from the family](#)

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