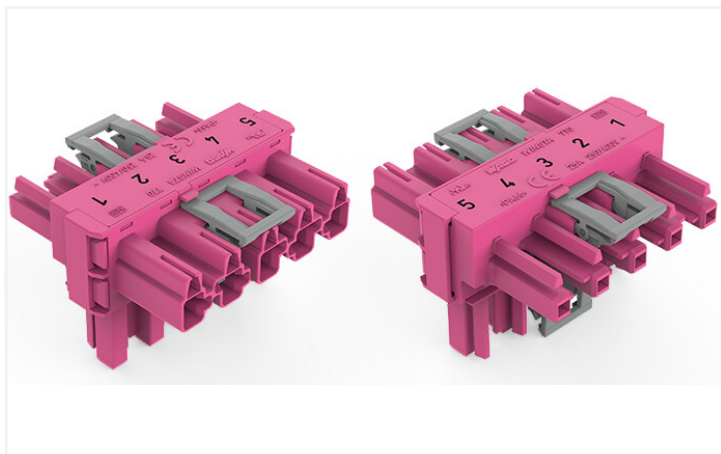


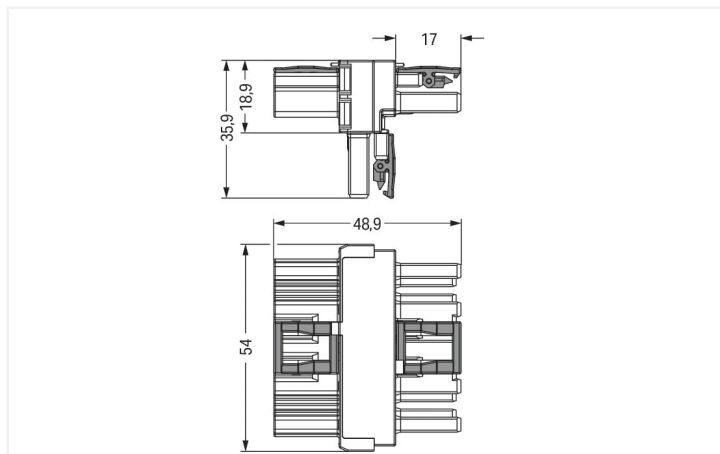
# Data Sheet | Item Number: 770-1743

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

<https://www.wago.com/770-1743>



Color: ■ pink



Dimensions in mm

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

The **WINSTA®** MIDI distribution connector rated current 25 A supports rapid, correct installation. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Pluggable installation connectors with B coding from the **WINSTA®** MIDI line are available in gray, light green, or pink, allowing you to distinguish different circuits, for example for light, pumps or, sun blinds. Your own pole marking is possible, too. This pluggable installation connector can be employed for a voltage load of up to 25 A. As a result, it can also be used for high power loads. The **WINSTA®** MIDI product line guarantees total flexibility for the installation of applications. Through its Push-in **CAGE CLAMP®** spring pressure connection technology, it ensures error-free, time-saving installation and offers customization for meeting all installation requirements.

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

**WINSTA®** is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Now you can also cut installation costs without compromising quality and safety: The **WINSTA®** MIDI pluggable installation connector with protection against mismatching reduces the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- simple circuits
- with B coding for controllers such as lighting fixtures and sun blinds
- ready to install and use immediately
- convenient installation and commissioning

## Notes

Variants:

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	25 A	-	-

Approvals per	UL 1977
Rated voltage	600 V
Rated current	23 A

### General information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket
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### Connection data

Total number of potentials	5	<b>Connection 1</b>	
		Pole number	5

### Physical data

Pin spacing	10 mm / 0.394 inches
Width	54 mm / 2.126 inches
Height	35.9 mm / 1.413 inches
Depth	48.9 mm / 1.925 inches

### Mechanical data

Application	Control technology
Coding	B
Marking	5 4 3 2 1
Potential marking	1 2 3 4 5
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

Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> ® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered 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 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).
Number of locking levers	3

### Material data

Note (material data)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	pink
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.535 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 ≤ 105 °C

### Commercial data

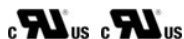
Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 8.0	EC002567
ETIM 7.0	EC002567
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821702245
Customs tariff number	85366990990

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
cURus Underwriters Laboratories Inc.	UL 1977	E45171
cURus Underwriters Laboratories Inc.	UL 1059	E 45172

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-1743



Documentation

Bid Text

770-1743	19.02.2019	xml 2.81 KB	
770-1743	12.03.2015	doc 23.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models  
770-1743



CAE data

WSCAD Universe  
770-1743



ZUKEN Portal  
770-1743



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



**Item No.: 771-9995/205-107**

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. B; 1 m; 1,00 mm<sup>2</sup>; pink



**Item No.: 771-9995/105-107**

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; 1 m; 1,00 mm<sup>2</sup>; pink



**Item No.: 771-9995/005-107**

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; 1 m; 1,00 mm<sup>2</sup>; pink

1.1.2 Female connector/socket



**Item No.: 770-285**

Socket; 5-pole; Cod. B; 4,00 mm<sup>2</sup>; pink

1.1.3 Male connector/plug



**Item No.: 770-295**

Plug; 5-pole; Cod. B; 4,00 mm<sup>2</sup>; pink

## 1.2 Optional Accessories

### 1.2.1 Cover

#### 1.2.1.1 Cover



**Item No.: 770-201**

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



**Item No.: 770-221**

Lockout cap; 12-pole, separable; for sockets; Plastic; white



**Item No.: 770-360**

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

## 1.2.2 Installation

### 1.2.2.1 Mounting accessories

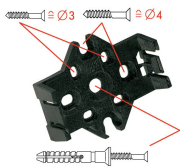


**Item No.: 770-354**

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

## Installation Notes

### Installation



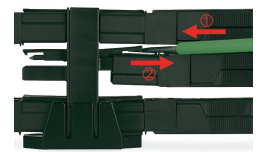
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.