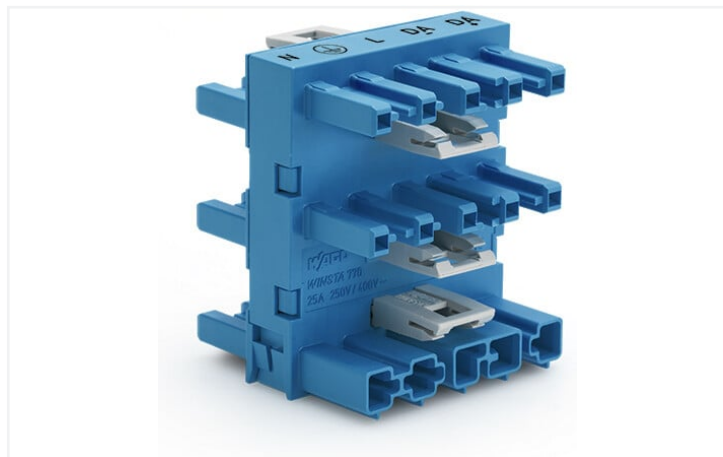


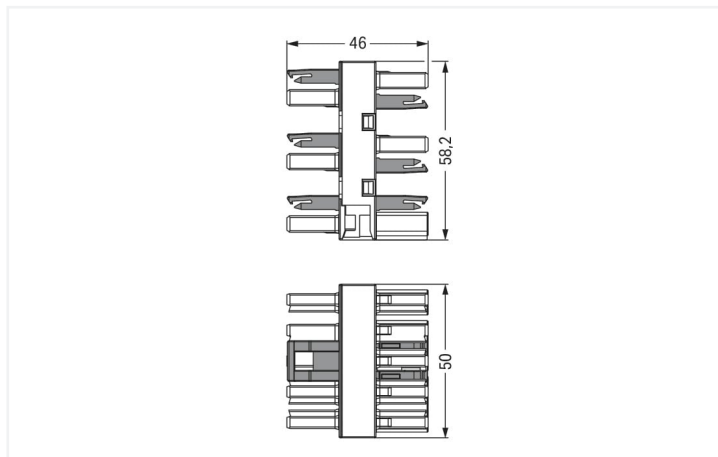
# Data Sheet | Item Number: 770-1947

5-way distribution connector; 5-pole; Cod. I; 1 input; 5 outputs; blue

<https://www.wago.com/770-1947>



Color: ■ blue



Dimensions in mm

Distribution connector *WINSTA*® MIDI with protection against mismatching

For signal and power transmission: The *WINSTA*® MIDI distribution connector with locking latch. Our pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with electrified elements. Regulated lighting, as implemented with the DALI standard, for instance, is the primary domain of use of *WINSTA*® MIDI pluggable installation connectors with I coding. The rated current and voltage are important criteria for selecting a pluggable installation connector: They tell us about the product's domains of use. This product has a current rating of 25 A – therefore it is suitable for powerful loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in can be found in a variety of projects you can use for quick, easy, flexible, and secure installation.

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 allows error-free installation of cables and components, quickly and reliably. Now you can also cut installation expenses without compromising safety and quality: with locking lever eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- pre-assembled versions
- with I coding for use in the automation of buildings (lighting control)
- ready for immediate use
- convenient installation and commissioning

## 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>	
PE function	Preceding PE contact	Pole number	5

### Physical data

Pin spacing	10 mm / 0.394 inches
Width	50 mm / 1.969 inches
Height	58.2 mm / 2.291 inches
Depth	46 mm / 1.811 inches

### Mechanical data

Application	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	N L DA- DA+
Potential marking	N 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	Distribution connector, 5-way
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

### 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	6

### Material data

Note (material data)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	1.04 MJ
Weight	64 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	
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)	20 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143706940
Customs tariff number	85366990990

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

### Approvals / Certificates

#### General approvals



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

### Downloads

#### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 770-1947	<a href="#">↓</a>

### Documentation

Bid Text			
770-1947	19.02.2019	xml 2.72 KB	<a href="#">↓</a>
770-1947	21.03.2018	doc 22.50 KB	<a href="#">↓</a>
ausschreiben.de 770-1947			<a href="#">↓</a>

## CAD/CAE-Data

### CAD data

2D/3D Models  
770-1947



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Cable assembly



**Item No.: 771-9985/206-101**

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



**Item No.: 771-9985/106-101**

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



**Item No.: 771-9985/006-101**

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

#### 1.1.2 Female connector/socket



**Item No.: 770-1105**

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



**Item No.: 770-1105/022-000**

Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm<sup>2</sup>; blue

#### 1.1.3 Male connector/plug



**Item No.: 770-1115**

Plug; 5-pole; 4,00 mm<sup>2</sup>; blue



**Item No.: 770-1115/022-000**

Plug; with strain relief housing; 5-pole; Cod. I; 4,00 mm<sup>2</sup>; blue

## 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.: 770-625**

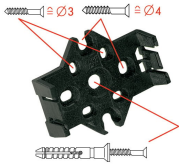
Mounting plate; 5-pole; for distribution connectors; Plastic; black

**Item No.: 770-675**

Mounting plate; 5-pole; for distribution connectors; Plastic; white

## 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.