

**Data sheet | Item number: 770-619**

Intermediate coupler; 5-pole; Cod. I; for sockets and plugs; blue

[www.wago.com/770-619](http://www.wago.com/770-619)



**Color:**

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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## Item description

### Distribution connector *WINSTA*® MIDI 5-pole

The *WINSTA*® MIDI distribution connector 5-pole is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology function without screw connections. They allow resource-efficient, 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 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 implemented in the DALI standard, for example, is the main application 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 – so it is also suitable for powerful loads. The *WINSTA*® MIDI product line achieves maximum flexibility for the installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers customization and flexibility for meeting all installation requirements.

### *WINSTA*® MIDI solutions for your electrical installation – protected against mismatching and maintenance-free

The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Choose quality and durability – the *WINSTA*® MIDI pluggable installation connector with protection type IP20 from WAGO makes the installation of electrical components substantially easier.

- 
- pluggable installation connectors with protection against mismatching
- simple circuits
- for lighting management
- exact dimensions
- rapid, structured electrical installation

## Data

### Notes

Note	At least one snap-in connector <b>WITHOUT</b> a locking lever is required on one side when connecting two lights directly via intermediate coupler.
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## Electrical data

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



### 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 1977

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

### 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
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### Connection 1

Pole number	5
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### Physical data

Pin spacing	10 mm / 0.394 inches
Width	47 mm / 1.85 inches
Height	11.6 mm / 0.457 inches
Depth	40 mm / 1.575 inches

### Mechanical Data

Application	DALI, Lighting Management
Coding	I
Variable coding	No
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)

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



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	Intermediate coupler
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

## Plug-in connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> <sup>®</sup> 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	No
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).

## Material Data

Note (material data)	Information on material specifications can be found <a href="#">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	0.231 MJ
Weight	9.6 g

## Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C

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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)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918524179
Customs tariff number	85366990990

### Environmental Product Compliance

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

#### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	EN 61535	71-123228
	<b>CCA</b> DEKRA Certification B.V.	IEC 61535	NL -84761
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1977	E45171
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E 45172

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

#### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	19-HG1868589-

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			PDA
<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-		TAE00001Z6
<b>LR</b> Lloyds Register	IEC 61984		LR22429487TA

## Optional accessories

### Cover

Cover			
<b>Item no.: 770-360</b> Lockout cap; for plugs; 5-pole; separable; yellow			<a href="http://www.wago.com/770-360">www.wago.com/770-360</a>
<b>Item no.: 770-201</b> Lockout cap; 12-pole, separable; for sockets; Plastic; black			<a href="http://www.wago.com/770-201">www.wago.com/770-201</a>
<b>Item no.: 770-221</b> Lockout cap; 12-pole, separable; for sockets; Plastic; white			<a href="http://www.wago.com/770-221">www.wago.com/770-221</a>

## Downloads

### Documentation

#### Bid Text

770-619 X81 - Datei	2019 年2月19 日	xml 2.8 kB	Download
770-619 doc - Datei	2014 年12月10 日	doc 23.6 kB	Download

## CAD/CAE-Data

### CAE data

EPLAN Data Portal 770-619		URL	Download
WSCAD Universe 770-619		URL	Download

### CAD data

2D/3D Models 770-619		URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 770-619

URL

Download

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## Installation Notes

## Product family

**WINSTA® MIDI**

[Show all products from the family](#)

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