

**Data sheet | Item number: 770-7105**

Linect® T-connector; 5-pole; Cod. I; 1 input; 2 outputs; blue

[www.wago.com/770-7105](http://www.wago.com/770-7105)



**Color:**



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

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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 I coding

The *WINSTA*® MIDI distribution connector I coding is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in next to no time. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. 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!)). This means that users' fingers will never come into contact with live elements. Controlled lighting, as implemented with the DALI standard, for example, is the primary domain of use of *WINSTA*® MIDI pluggable installation connectors with I coding. This pluggable installation connector can be employed for a load of up to 25 A. Therefore, it can also be used for high power loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a

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broad range of individual products you can use for quick, easy and maximally flexible electrical installation.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Choose quality and durability – the WINSTA® MIDI pluggable installation connector with protection against mismatching from WAGO makes the installation of electrical components visibly easier.

- protection against mismatching eliminates errors
- pre-assembled versions
- for intelligent, easy lighting installation
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

## Data

### Electrical data

#### 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 IEC/EN 2

Rated current 2	16 A
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#### 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

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## 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
PE function	Preceding PE contact

## Connection 1

Pole number	5
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## Physical data

Pin spacing	10 mm / 0.394 inches
Width	75.5 mm / 2.972 inches
Height	40.5 mm / 1.594 inches
Depth	56.6 mm / 2.228 inches

## Mechanical Data

Application	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	N $\perp$ L DA- DA+
Potential marking	N $\perp$ 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	Linect <sup>®</sup> T-connector
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 WINSTA <sup>®</sup> components are 100% protected against mismating when:

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- 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).

## Material Data

Note (material data)	Information on material specifications can be found here
Color	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.922 MJ
Weight	41.1 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

Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-02
eCl@ss 9.0	27-44-06-02
ETIM 8.0	EC002566
ETIM 7.0	EC002566
Recupel Type	
PU (SPU)	20 pcs
Packaging type	box
Country of origin	DE

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GTIN	4050821000402
Customs tariff number	85366990990

## Environmental Product Compliance

CAS-No.	131651-65-5 144317-44-2 220133-51-7 220689-12-3 25628-08-4 29420-49-3 375-73-5 503155-89-3 507453-86-3 68259-10-9
REACH Candidate List Substance	Perfluorobutane sulfonic acid (PFBS) and its salts
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	aa3b6b25-f159-40f1-a839-e1990ac0087b
SCIP notification number (Belgium)	bcf0ed1b-d2a6-4a15-91c2-45ae1524391f
SCIP notification number (Bulgaria)	dbdff0b-896d-4af5-b33e-5eb27c5db145
SCIP notification number (Czech Republic)	8052bba5-64ab-4f5a-8b8d-f6681f6ea87f
SCIP notification number (Denmark)	d826f846-ffc0-45ec-8f78-7bfa92767954
SCIP notification number (Finland)	869c621f-fad1-4816-939a-47b54190a9d5
SCIP notification number (France)	d37e6c09-29cc-4a56-be50-cbb191446213
SCIP notification number (Germany)	5ebc786a-dbd2-4400-bb7c-e0c1fa629f38
SCIP notification number (Hungary)	7213a003-02ce-44cd-bdc2-6e6d9383b7bf
SCIP notification number (Italy)	2ecf5e19-e915-48cd-9818-4af8aff3683a
SCIP notification number (Netherlands)	c18f3f94-d952-49e5-9bb3-ddb3e09e3002
SCIP notification number (Poland)	6dceed6d-7204-4b16-a37f-b18fb3105e39
SCIP notification number (Romania)	3454d912-995e-4c6d-9a6c-d48de76b0dde
SCIP notification number (Sweden)	098d4581-1b9b-42d8-aea6-2a13e298b5df

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus	UL 1059	E 45172

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Underwriters Laboratories Inc.

**VDE**

EN 61535

40029808

VDE Prüf- und Zertifizierungsinstitut

## Counterpart

### Item no.294-8035

Lighting connector; push-button, external; for Linect®; without ground contact; DA+ DA- L PE N; 5-pole; Cod. I; [www.wago.com/294-8035](http://www.wago.com/294-8035)  
 Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); 2,50 mm<sup>2</sup>; white

### Item no.294-8135

Lighting connector; push-button, external; for Linect®; with direct ground contact; DA+ DA- L PE N; 5-pole; Cod. I; [www.wago.com/294-8135](http://www.wago.com/294-8135)  
 Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm<sup>2</sup>; Surrounding air temperature: max 85°C (T85); 2,50 mm<sup>2</sup>; white

### Item no.770-1105

Socket; 5-pole; Cod. I; 4,00 mm<sup>2</sup>; blue [www.wago.com/770-1105](http://www.wago.com/770-1105)

### Item no.770-1105/022-000

Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm<sup>2</sup>; blue [www.wago.com/770-1105/022-000](http://www.wago.com/770-1105/022-000)

### Item no.770-1115

Plug; 5-pole; 4,00 mm<sup>2</sup>; blue [www.wago.com/770-1115](http://www.wago.com/770-1115)

### Item no.770-1115/022-000

Plug; with strain relief housing; 5-pole; Cod. I; 4,00 mm<sup>2</sup>; blue [www.wago.com/770-1115/022-000](http://www.wago.com/770-1115/022-000)

### Item no.771-9985/006-102

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 [www.wago.com/771-9985/006-102](http://www.wago.com/771-9985/006-102)

### Item no.771-9985/106-102

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 [www.wago.com/771-9985/106-102](http://www.wago.com/771-9985/106-102)

### Item no.771-9985/206-102

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 [www.wago.com/771-9985/206-102](http://www.wago.com/771-9985/206-102)

## Optional accessories

### Cover

Cover

#### 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; for sockets; Plastic; black [www.wago.com/770-201](http://www.wago.com/770-201)

#### Item no.: 770-221

Lockout cap; 12-pole, separable; for sockets; Plastic; white [www.wago.com/770-221](http://www.wago.com/770-221)

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## Downloads

### Documentation

#### Bid Text

770-7105 X81 - Datei	2019 年2月19 日	xml 3.0 kB	Download
770-7105 doc - Datei	2014 年12月2 日	doc 24.1 kB	Download
ausschreiben.de 770-7105		URL	Download

### CAD/CAE-Data

#### CAE data

WSCAD Universe 770-7105		URL	Download
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#### CAD data

2D/3D Models 770-7105		URL	Download
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### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 770-7105 Linect® T-connector; 5-pole; Cod. I; 1 input; 2 outputs; blue		URL	Download
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### Installation Notes

### Product family

#### WINSTA® MIDI

[Show all products from the family](#)

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