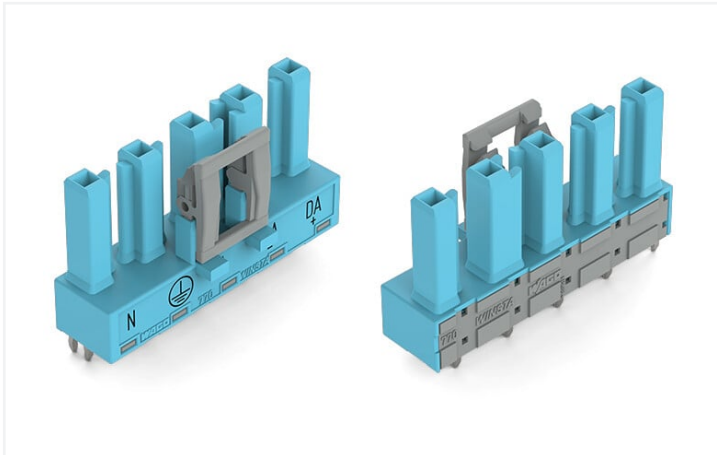
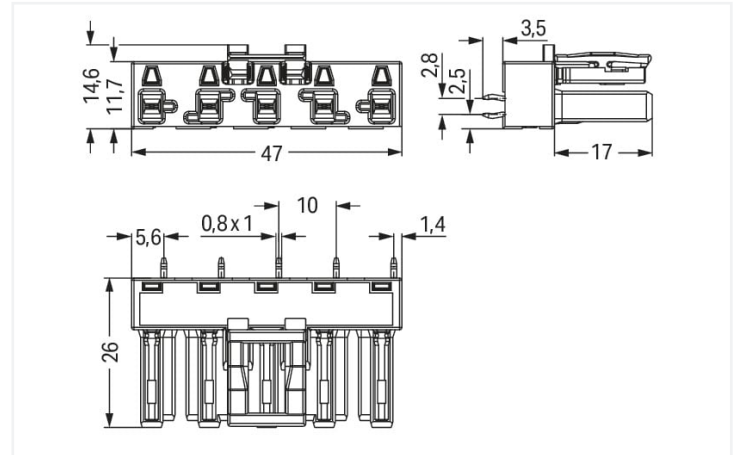
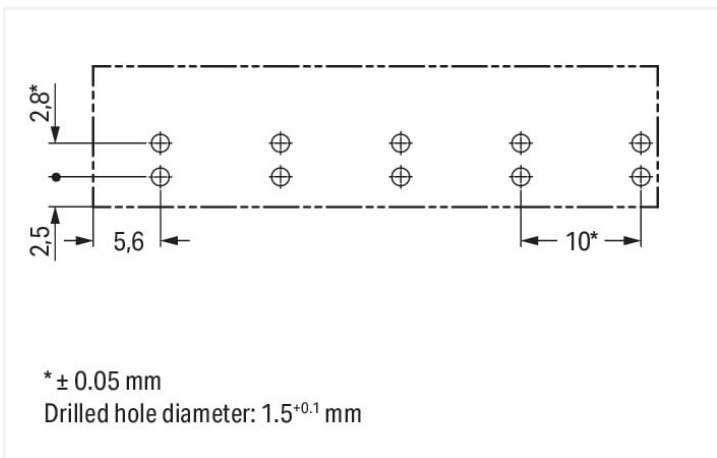




Color: ■ blue



Dimensions in mm



Dimensions in mm

Female connector/socket WINSTA® MIDI I coding

The WINSTA® MIDI female connector/socket with protection against mismatching saves space and money and space thanks to its compact dimensions. Our pluggable PCB connectors give you a versatile pluggable connection system for your devices that meets all the conditions for a stable device connection that is easy to put into operation. The color coding and mechanical coding of the pcb connector ensure error-free installation of the individual components – including protection against mismatching. Regulated lighting equipment, as implemented with the DALI standard, for example, is the main application of WINSTA® MIDI pcb connectors with I coding. This pcb connector is designed for a voltage load of up to 25 A. Therefore, pcb connector can also be used for high power loads. Our WINSTA® MIDI product line guarantees flexibility for the electrical installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers flexibility 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 optimally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Now you can also lower installation expenses without compromising safety and quality: The WINSTA® MIDI pcb connector with locking lever reduces the need for servicing and prevents unnecessary downtime.

- pcb connector with protection against mismatching
- pre-assembled versions
- with I coding for use in building automation (lighting control)
- convenient installation and commissioning

Electrical data

Ratings per IEC/EN 60664-1				Approvals per UL 1977	
Overvoltage category	III	III	II	Rated voltage	600 V
Pollution degree	3	2	2	Rated current	23 A
Nominal voltage	400 V	-	-		
Rated surge voltage	6 kV	-	-		
Rated current	25 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	Connection 1	
Number of levels	1	Pole number	5

Physical data

Pin spacing	10 mm / 0.394 inches
Width	47 mm / 1.85 inches
Height	29.5 mm / 1.161 inches
Height from the surface	26 mm / 1.024 inches
Depth	14.6 mm / 0.575 inches
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter with tolerance	1.5 ^(-0.1 ... +0.1) mm

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	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
Design	straight

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Mismating protection	Yes
Note on mismating protection	All WINSTA® 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
Mating direction to the PCB	90 °
Locking lever	Yes
Locking of plug-in connection	Locking lever



Plug-in connection

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).
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PCB contact

PCB contact	THT
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

Material data

Note (material data)	Information on material specifications can be found here
Color	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.184 MJ
Weight	9.9 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	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 8.0	EC002560
ETIM 7.0	EC002560
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454001285
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

Approvals for marine applications



Approval	Standard	Certificate Name
LR Lloyds Register	IEC 61984	LR22429487TA

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 770-3105



CAD/CAE-Data

CAD data

2D/3D Models
770-3105



CAE data

EPLAN Data Portal
770-3105



WSCAD Universe
770-3105



ZUKEN Portal
770-3105



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 mm²; 1 m; 1,50 mm²; blue



Item No.: 771-9985/006-101
pre-assembled interconnecting cable;
Eca; Socket/plug; 5-pole; Cod. I; H05VV-F
5G 1.5 mm²; 1 m; 1,50 mm²; blue

1.1.2 Male connector/plug



Item No.: 770-1115
Plug; 5-pole; 4,00 mm²; blue



Item No.: 770-1115/022-000
Plug; with strain relief housing; 5-pole;
Cod. I; 4,00 mm²; blue



1.2 Required 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
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