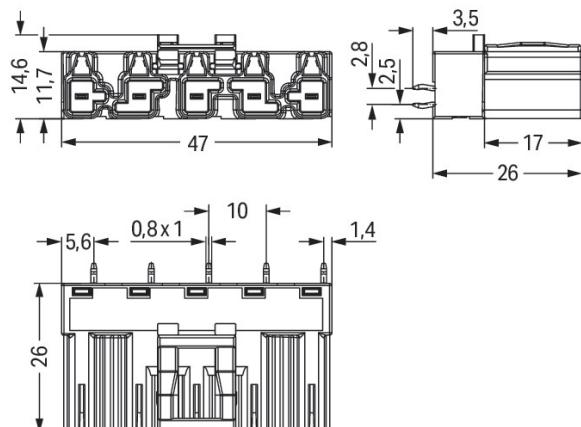
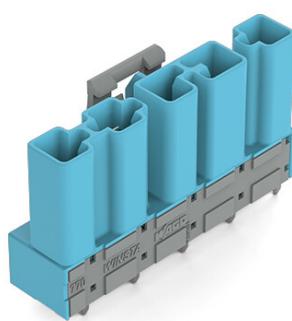
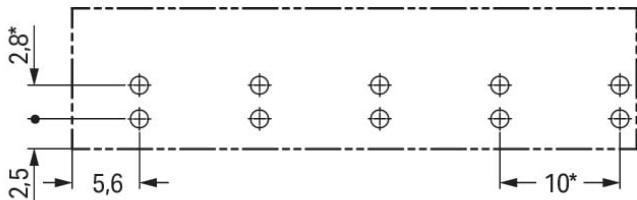


Color: blue



Dimensions in mm



* ± 0.05 mm

Drilled hole diameter: $1.5^{+0.1}$ mm

Dimensions in mm

Male connector/plug WINSTA® MIDI I coding

The WINSTA® MIDI male connector/plug rated current 25 A offers very secure handling to support control and drive technology tasks. Our pluggable PCB connectors give you a universal pluggable connection system for your devices that meets all the conditions for a stable device connection. The coding options reduce installation errors, allowing fast, secure wiring of all components. Controlled lighting, as used in the DALI standard, for instance, is the primary domain of use of WINSTA® MIDI pcb connectors with I coding. This pcb connector can be used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. Our WINSTA® MIDI product line achieves 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 and customization for meeting all installation requirements.

Lower costs through fast commissioning and elimination of service expenses – solutions from WINSTA® MIDI

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Now you can also reduce installation expenses without compromising safety and quality: The WINSTA® MIDI pcb connector with protection against mismatching eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- simple circuits
- with I coding for lighting control (DALI standard)
- convenient installation and commissioning

Electrical data

Ratings per IEC/EN		Ratings per UL 1977	
Ratings per	IEC/EN 60664-1	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.
Nominal voltage (III/3)	400 V		
Rated impulse voltage (III/3)	6 kV		
Rated current	25 A	Rated voltage (UL 1977)	600 V
Legend (ratings)	(III / 3) \triangleq Overvoltage category III / Pollution degree 3	Rated current UL 1977	23 A

General	
Note on contact resistance	approx. 1 m Ω of contact resistance approx. 0.25 m Ω contact transition plug/socket

Connection data	
Total number of potentials	5
Number of levels	1
PE function	Preceding PE contact

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	DA+ DA- L \oplus N
Potential marking	DA+ DA- L \oplus N
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)	Male connector/plug
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).

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	0.226 MJ
Weight	10.1 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	27-44-06-05
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	4045454654535
Customs tariff number	85366990990

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 770-3115

CAD/CAE-Data

CAD data

2D/3D Models
770-3115

CAE data

EPLAN Data Portal
770-3115WSCAD Universe
770-3115ZUKEN Portal
770-3115

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly

[Item No.: 771-9985/106-101](#)pre-assembled connecting cable; Eca;
Socket/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 Female connector/socket

[Item No.: 770-1105](#)Socket; 5-pole; Cod. I; 4,00 mm²; blue[Item No.: 770-1105/022-000](#)Socket; 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.: 770-360](#)Lockout cap; for plugs; 5-pole; separable;
yellow

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

Current addresses can be found at: www.wago.com