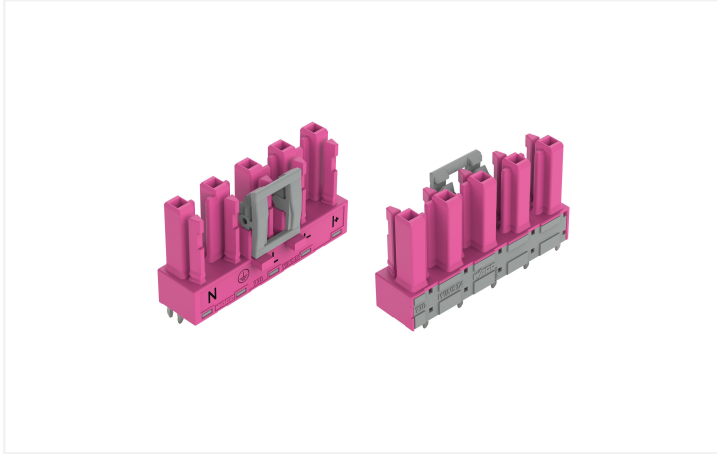


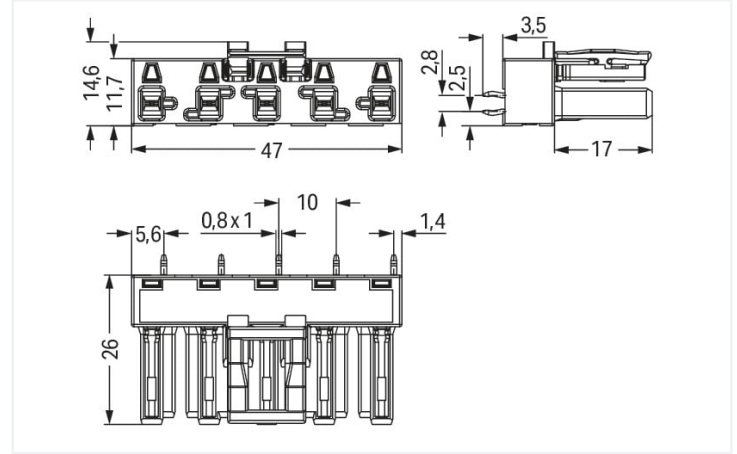
Data Sheet | Item Number: 770-885/080-000

Socket for PCBs; straight; 5-pole; Cod. B; pink

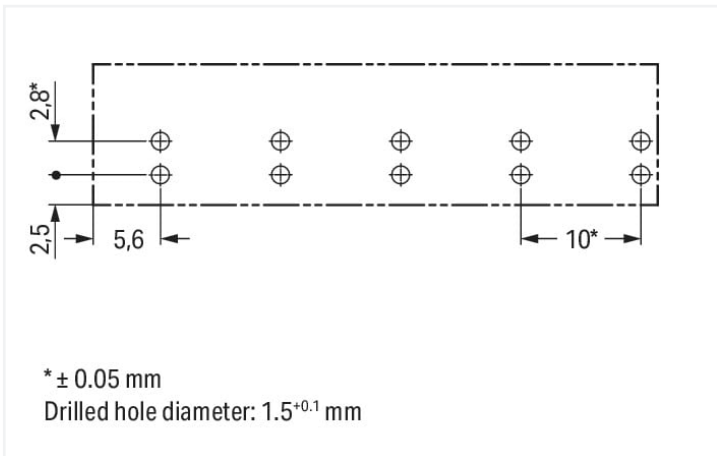
<https://www.wago.com/770-885/080-000>



Color: ■ pink



Dimensions in mm



Dimensions in mm

Female connector/socket WINSTA® MIDI rated current 25 A

The WINSTA® MIDI female connector/socket rated current 25 A are compact but powerful PCB terminal blocks. They offer convenient operation and the greatest flexibility for installation. Our remarkable number of pluggable PCB connectors with different insertion directions and operating variants offers you the perfect solution for your application at all times. The mechanical coding and color coding of the pcb connector ensure error-free installation of the individual components – including protection against mismatching. The standardised interface for motor control allows easy installation and activation of shading and sun protection systems. Solutions like the WINSTA® MIDI pcb connectors with B coding are suitable for process control, for example, for lighting or in data networks. This pcb connector is used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. The WINSTA® MIDI product line allows flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees error-free, time-saving installation and offers flexibility and customization for meeting all installation requirements.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and errors during installation at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pcb connectors with marking from WAGO.

- effective protection against mismatching
- pre-assembled versions
- with B coding for use in process automation, such as lighting technology, for instance
- quick replacement of defective units during ongoing operation



Notes	
Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

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

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	
Technology	SMI
Application	Control technology
Coding	B
Variable coding	Yes
Marking	N L I- I+
Potential marking	N L I- I+
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 <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
Mating direction to the PCB	90 °
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).

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	pink
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	0.195 MJ
Weight	10.5 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	4050821553915
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 1977	E45171

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 770-885/080-000



CAD/CAE-Data

CAD data
2D/3D Models 770-885/080-000



CAE data
ZUKEN Portal 770-885/080-000



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



[Item No.: 771-9935/206-307/080-000](#)
pre-assembled connecting cable; Eca;
Plug/open-ended; 5-pole; Cod. B; H05VV-
F 5G 1.5 mm²; 3 m; 1,50 mm²; pink

[Item No.: 771-9935/006-107/080-000](#)
pre-assembled interconnecting cable;
Eca; Socket/plug; 5-pole; Cod. B; H05VV-F
5G 1.5 mm²; 1 m; 1,50 mm²; pink

1.1.2 Male connector/plug



[Item No.: 770-295/080-000](#)
Plug; 5-pole; Cod. B; 4,00 mm²; pink



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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