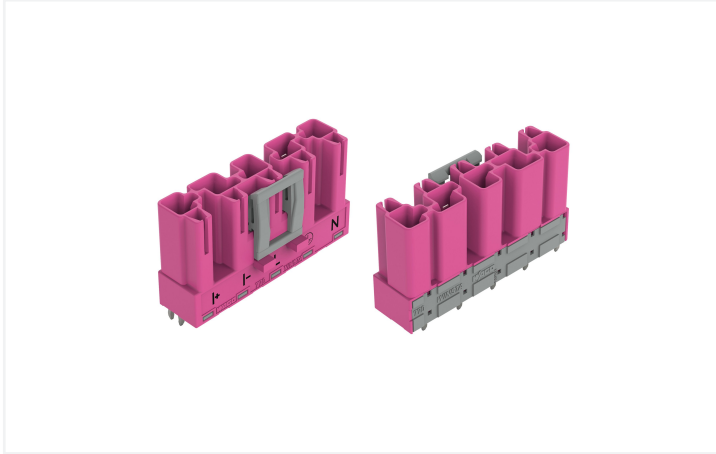


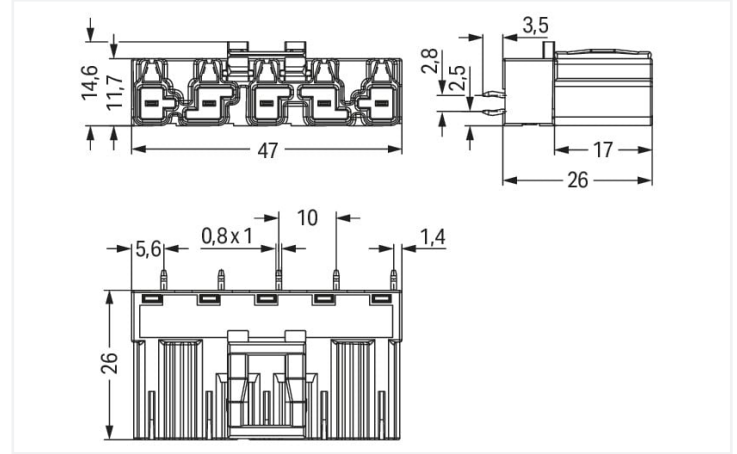
Data Sheet | Item Number: 770-895/080-000

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

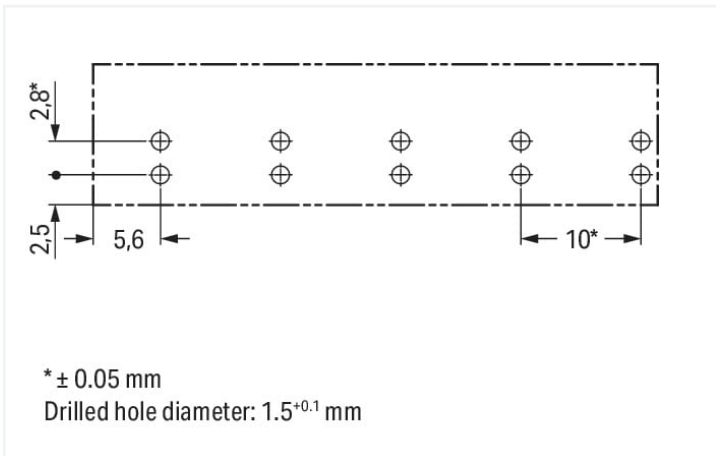
<https://www.wago.com/770-895/080-000>



Color: ■ pink



Dimensions in mm



Dimensions in mm

Male connector/plug *WINSTA*® MIDI 5-pole

WAGO has various connection solutions for any challenge in building installation, for example, the *WINSTA*® MIDI male connector/plug. The pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO permit fast, vibration-proof, maintenance-free terminal connections. The mechanical coding and color coding of the pcb connector ensure error-free installation of the individual components – including protection against mismatching. The SMI (Standard Motor Interface) protocol is an interface for selecting electrical drives, such as those employed in sun protection equipment (roller shutters or sun blinds). Solutions like the *WINSTA*® MIDI pcb connectors with B coding are appropriate for process control, such as for lighting or in data networks. This pcb connector is used for electrical currents up to 25 A. Thus the product is also suitable for high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Thanks to the integrated test slot, it is possible to check connections even when they are plugged in. This saves time, labor, and money.

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

The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the *WINSTA*® MIDI pcb connector with marking from WAGO makes the electrical installation of electrical components visibly easier.

- pcb connector with protection against mismatching
- for automation controllers
- with B coding for use in automation of processes, such as lighting technology, among other examples
- convenient installation and commissioning



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	I+ I- L N
Potential marking	I+ I- L 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 <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	0.234 MJ
Weight	10.8 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	4050821553939
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
cURus Underwriters Laboratories Inc.	UL 1059	E 45172

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 770-895/080-000	

CAD/CAE-Data

CAD data	
2D/3D Models 770-895/080-000	

CAE data	
ZUKEN Portal 770-895/080-000	

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



[Item No.: 771-9935/106-107/080-000](#)
pre-assembled connecting cable; Eca;
Socket/open-ended; 5-pole; Cod. B;
H05VV-F 5G 1.5 mm²; 1 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 Female connector/socket



[Item No.: 770-285/080-000](#)
Socket; 5-pole; Cod. B; 4,00 mm²; pink



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

1.3 Optional Accessories
1.3.1 Coding
1.3.1.1 Coding



Item No.: [770-401](#)
Coding pin; for plugs; Plastic; gray