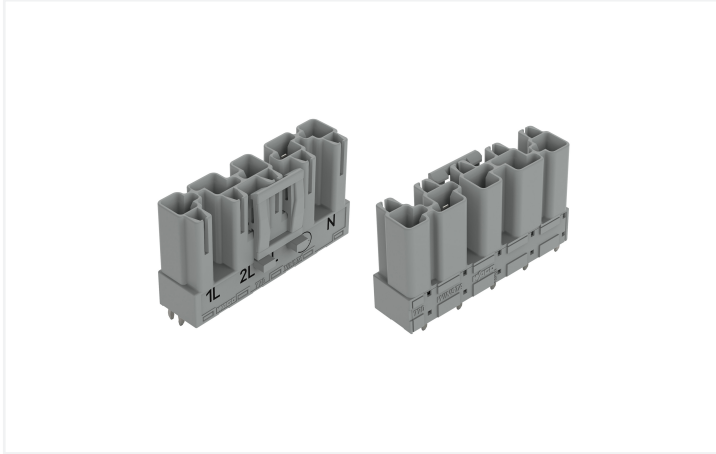


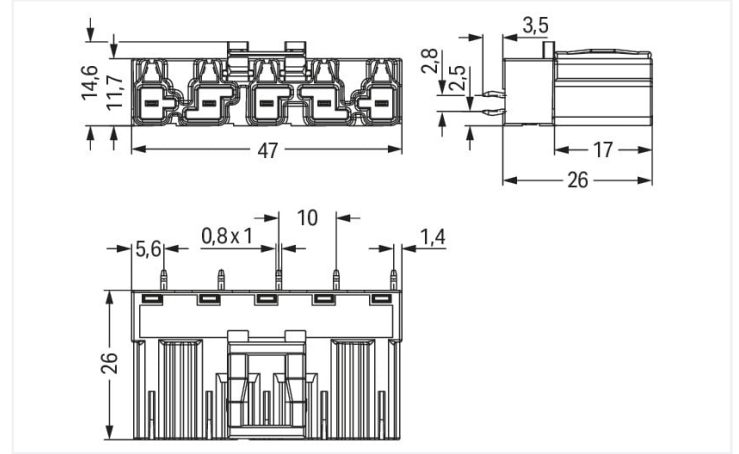
Data Sheet | Item Number: 770-855/064-000

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

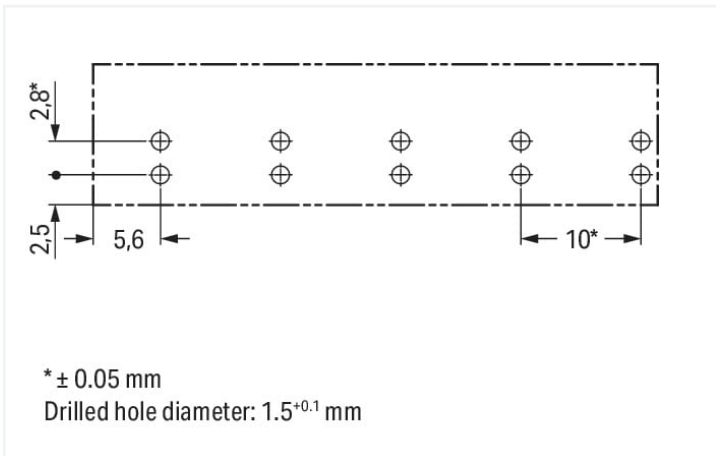
<https://www.wago.com/770-855/064-000>



Color: ■ gray



Dimensions in mm



* ± 0.05 mm

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

Dimensions in mm

Male connector/plug WINSTA® MIDI 5-pole

The WINSTA® MIDI male connector/plug rated current 25 A are compact but outstanding PCB terminal blocks. They offer convenient operation and the greatest possible flexibility for installation. Our remarkable number of pluggable PCB connectors with various insertion directions and operating variants offers you the right solution for your application at all times. The coding options reduce installation errors, allowing fast, secure wiring of all components. Solutions like the WINSTA® MIDI pcb connectors with B coding are appropriate for applications related to process control, such as for lighting or within data networks. This pcb connectors can be used for a current load of up to 25 A. Thus, pcb connectors can also be used for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Thanks to the integrated test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and expense.

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

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Now you can also lower installation expenses without compromising quality and safety: with marking reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- pre-assembled versions
- for automation controllers
- 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	
Application	Control technology
Coding	B
Variable coding	Yes
Marking	1L 2L L N
Potential marking	1L 2L 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	gray
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	0.241 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	4050821553823
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 770-855/064-000	

CAD/CAE-Data

CAD data	
2D/3D Models 770-855/064-000	

CAE data	
ZUKEN Portal 770-855/064-000	

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 770-245/064-000 Socket; 5-pole; Cod. B; 4,00 mm²; gray



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