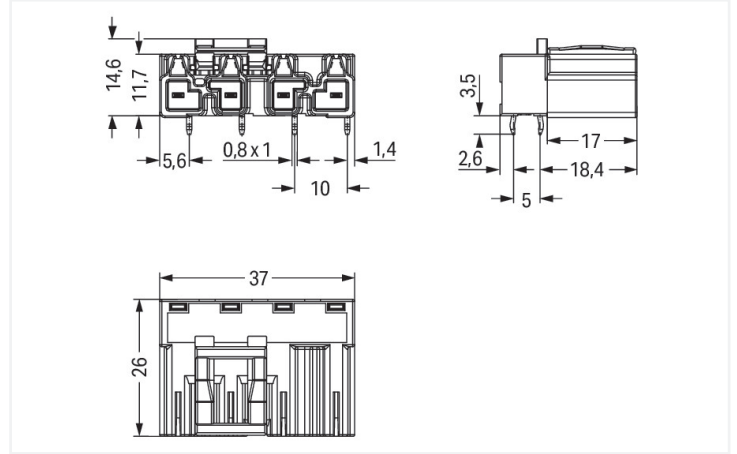
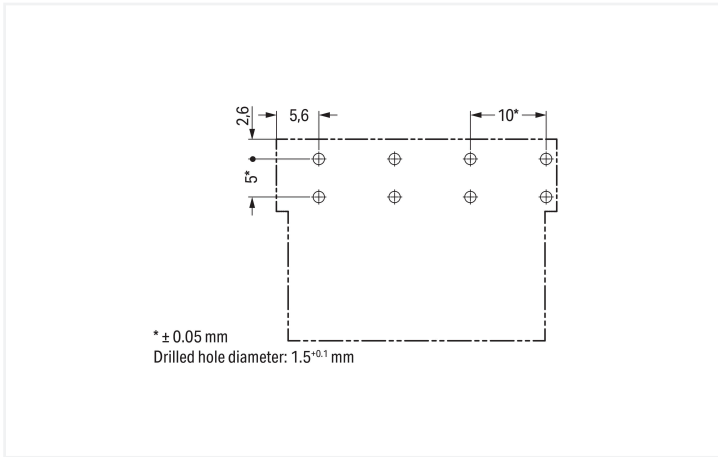




Color: ■ gray



Dimensions in mm



Dimensions in mm

Male connector/plug WINSTA® MIDI with protection against mismatching

The WINSTA® MIDI male connector/plug B coding are compact but outstanding PCB terminal blocks. They offer easy operation and the greatest flexibility for installation. Our pluggable PCB connectors give you a universal pluggable connection system for your devices that meets all the requirements for a robust device connection that is easy to put into operation. The mechanical coding and color coding of the pcb connectors ensure error-free installation of the individual components – including protection against mismatching. B coding enables the WINSTA® MIDI pcb connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. This pcb connectors can be used for a current load of up to 25 A. As a result, pcb connectors can also be used for high power loads. Our WINSTA® MIDI product line offers flexibility for the installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it achieves error-free, time-saving installation and offers 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 allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – with locking lever from WAGO makes the installation of electrical components significantly easier.

- effective protection against mismatching
- pre-assembled versions
- with B coding for controllers such as lighting fixtures and sun blinds
- 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 impulse withstand voltage	6 kV	-	-
Rated current	25 A	-	-

Ratings per IEC/EN – Notes

Rated current (note)	25 A for 3-pole load 20 A for 4-pole load
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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
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Connection Data

Total number of potentials	4
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Connection 1

Pole number	4
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Physical data

Pin spacing	10 mm / 0.394 inches
Width	37 mm / 1.457 inches
Height	18.1 mm / 0.713 inches
Height from the surface	14.6 mm / 0.575 inches
Depth	26 mm / 1.024 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

Use	Control technology
Coding	B
Variable coding	Yes
Marking	1 2 PE 3
Potential marking	1 2 PE 3
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	angled

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	0°
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 (main housing)	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	8.8 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

PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821475002
Customs tariff number	85366990990

Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 9.0	EC002637
ETIM 10.0	EC002637
ECCN	NO US CLASSIFICATION

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

Downloads

Environmental Product Compliance

Compliance Search



CAD/CAE-Data

CAD data



CAE data



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [770-244/062-000](#)
 Socket; 4-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