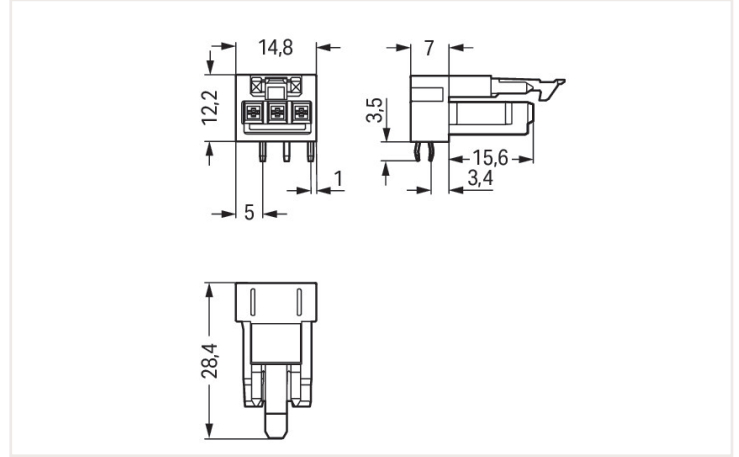
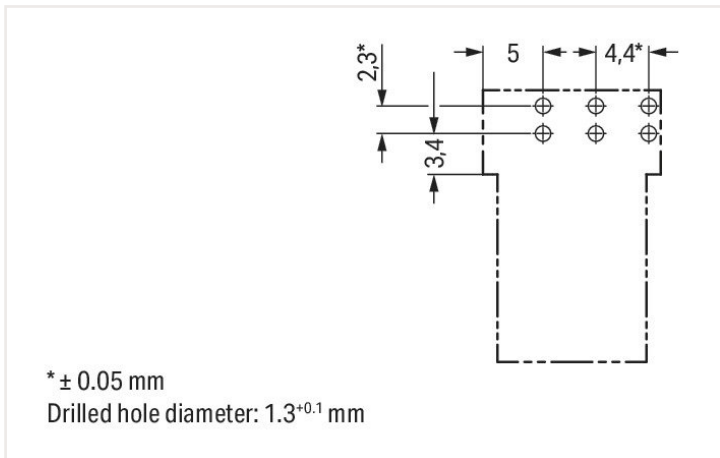


Color:  pink



Dimensions in mm



Dimensions in mm

Female connector/socket WINSTA® MINI 3-pole

The WINSTA® MINI female connector/socket with protection against mismatching are compact but powerful PCB terminal blocks. They offer convenient operation and the greatest possible flexibility for installation. Our pluggable PCB connectors provide a universal pluggable connection system for your devices that meets all the requirements for a stable device connection that is easy to put into operation. The mechanical coding and color coding of the pcb connector ensure error-free installation of the individual components – including protection against mismatching. B coding enables the WINSTA® MINI pcb connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. Thanks to its particularly small dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very tight spaces, i.e., for installations when very little room is available.

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. Now you can also lower installation expenses without compromising safety and quality: The WINSTA® MINI pcb connector with locking lever reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- easy tool-free operation, a wide range of coding options
- 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

Note on contact resistance

approx. 1 mΩ of contact resistance
approx. 0.25 mΩ contact transition plug/
socket

Ratings per IEC/EN

Ratings per IEC/EN 60664-1

Nominal voltage (III/3) 250 V

Rated impulse voltage (III/3) 4 kV

Rated current 16 A

Legend (ratings) (III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

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 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Rated voltage (UL 1977)

600 V

Rated current UL 1977

14 A

Connection data

Total number of potentials

3

Number of levels

1

Connection 1

Pole number

3

Physical data

Pin spacing

4.4 mm / 0.173 inch

Width

14.8 mm / 0.583 inch

Height

15.7 mm / 0.618 inch

Height from the surface

12.2 mm / 0.48 inch

Depth

28.4 mm / 1.118 inch

Solder pin length

3.5 mm

Solder pin dimensions

1 x 0.8 mm

Drilled hole diameter with tolerance

1.3 (+0.1) mm

Mechanical data

Application

Control technology

Coding

B

Variable coding

No

Marking

1 2 3

Potential marking

1 2 3

Mating force of a plug-in connection

approx. 20 ... 70 N (depending on pole number)

Retention force of a plug-in connection

Locked:

Unmating force of a plug-in connection

Unlocked: approx. 20 ... 70 N (depending on pole number)

Number of mating cycles

200, without resistive load
100, with resistive load $I_N = 16$ A, tested (1.5 mm²)

Design

angled

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
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 data can be found here
Color	pink
Cover color	gray
Insulation material	Polyamide (PA66)
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Fire load	0.016 MJ
Weight	3.4 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 7.0	EC002560
ETIM 6.0	EC002560
PU (SPU)	100 Stück
Packaging type	Box
Country of origin VKOrg Germany	PL
GTIN	4050821696049
Customs tariff number VKOrg Germany	85366990990



Approvals / Certificates

Country specific Approvals



Approval	Standard	Certificate name
CB DEKRA Certification B.V.	IEC 61984	NL-64351
CB DEKRA Certification B.V.	EN 61984	71-112993
KEMA/KEUR DEKRA Certification B.V.	EN 60320	2148952.04

Ship Approvals



Approval	Standard	Certificate name
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
LR Lloyds Register	EN 61535	08/20047 (E2)

UL-Approvals



Approval	Standard	Certificate name
cURus Underwriters Laboratories Inc.	UL 1977	E45171

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 890-883/011-000



CAD/CAE-Data

CAD data
2D/3D Models 890-883/011-000



CAE data
ZUKEN Portal 890-883/011-000

