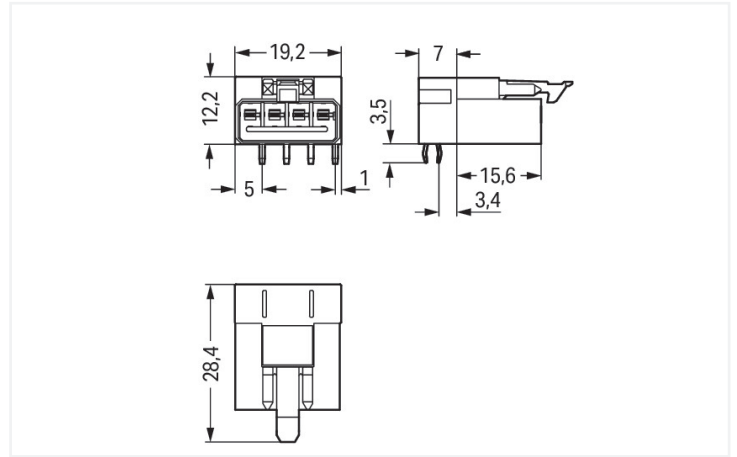
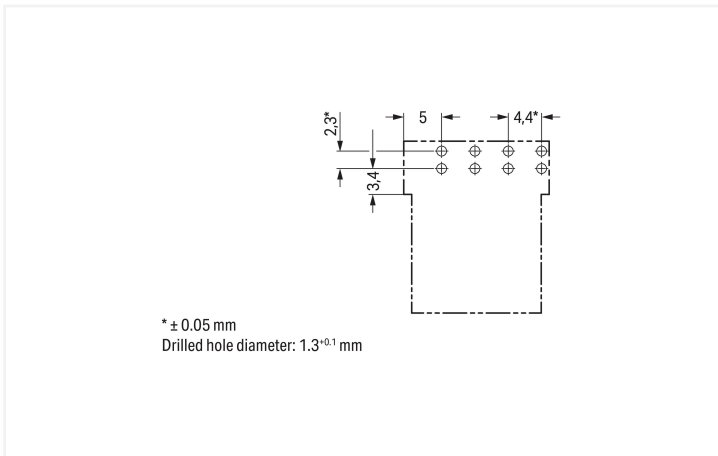




Color: ■ black



Dimensions in mm



Dimensions in mm

Male connector/plug WINSTA® MINI A coding

The WINSTA® MINI male connector/plug A coding offers secure, easy handling to support drive and control technology tasks. Our pluggable PCB connectors provide a versatile pluggable connection system for your devices that meets all the requirements for a stable device connection. For greater protection in electrical installations, the pcb connectors is provided with mechanical protection against mismatching. Standard mains applications for almost any domain of use can be implemented with WINSTA® MINI pcb connectors with A coding. Where space is tight, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its advantageous properties. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it additionally can be installed quickly, since the connection is low-maintenance and requires no screw connections.

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

The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus faster, even more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Choose quality and durability – with locking lever from WAGO makes the electrical installation of electrical components visibly easier.

- pcb connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- suitable for any application
- convenient installation and commissioning

Electrical data

Ratings per	IEC/EN 60664-1			Approvals per	UL 1977
Overvoltage category	III	III	II	Rated voltage	600 V
Pollution degree	3	2	2	Rated current	12 A
Nominal voltage	250 V	-	-		
Rated impulse withstand voltage	4 kV	-	-		
Rated current	16 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	Connection 1	
PE function	Preceding PE contact	Pole number	4

Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	19.2 mm / 0.756 inches
Height	15.7 mm / 0.618 inches
Height from the surface	12.2 mm / 0.48 inches
Depth	28.4 mm / 1.118 inches
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

Use	General mains applications
Coding	A
Variable coding	No
Marking	1/L' 2/L ⊕ N
Potential marking	1/L' 2/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	angled

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	0°
Locking lever	Yes
Locking of plug-in connection	Locking lever

Plug-in connection

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	black
Cover color	gray
Material group	I
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	0.076 MJ
Weight	4.1 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	4050821695707
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

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	71-123231
CCA DEKRA Certification B.V.	IEC 61535	NL-85020
cURus Underwriters Laboratories Inc.	UL 1977	E45171

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	Steel Vessel Rules	24-0095973-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
LR Lloyds Register	EN 61535	LR23317167TA
PRS Polski Rejestr Statków	-	TE/1096/880590/23

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
890-814/011-000



CAD/CAE-Data

CAD data

2D/3D Models
890-814/011-000



CAE data

ZUKEN Portal
890-814/011-000



Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com