

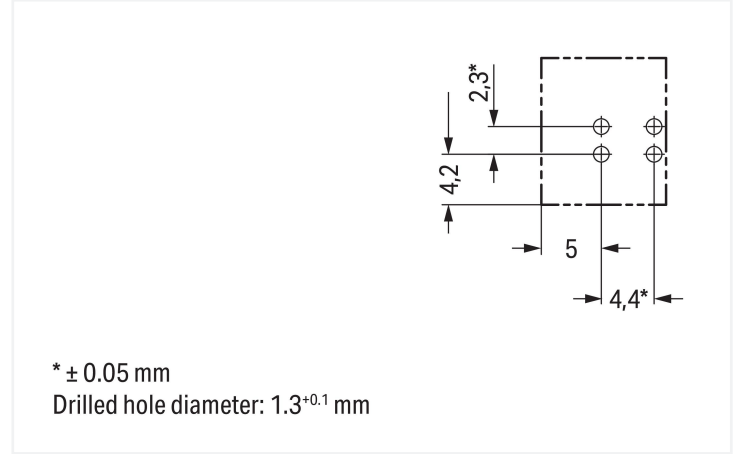
Data Sheet | Item Number: 890-802

Socket for PCBs; straight; 2-pole; Cod. A; black

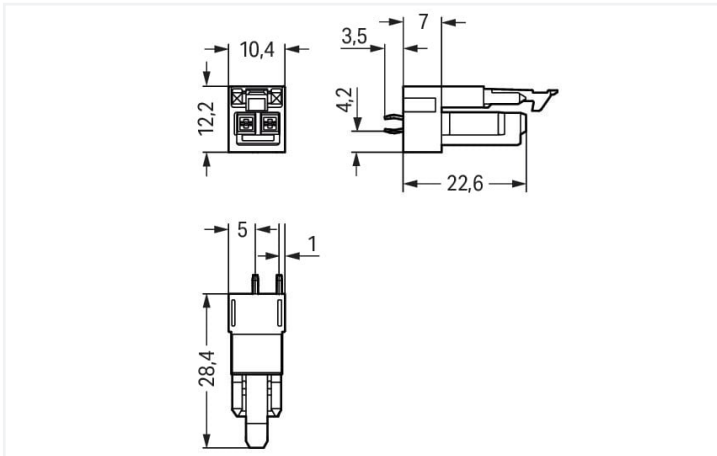
<https://www.wago.com/890-802>



Color: ■ black



Dimensions in mm



Dimensions in mm

Female connector/socket WINSTA® MINI 2-pole

The WINSTA® MINI female connector/socket with locking latch offers very secure handling to support control and drive technology tasks. Our extensive number of pluggable PCB connectors with different insertion directions and operating variants offers you the right solution for your application at all times. For greater security in electrical installations, the pcb connectors is provided with mechanical protection against mismatching. The WINSTA® MINI pcb connectors with A coding in white or black is normally used for general mains applications in power distribution. Due to its particularly compact dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very restricted spaces, i.e., for installations when very little room is available.

WINSTA® MINI solutions for your electrical installation – protected against mismatching and maintenance-free

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismatching from WAGO.

- pcb connectors with protection against mismatching
- consistent IP40 protection
- with A coding for use in many general mains applications
- 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		14 A	
Nominal voltage		250 V	-	-				
Rated surge 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						
Connection data								
Total number of potentials		2			Connection 1			
Number of levels		1			Pole number		2	
Physical data								
Pin spacing					4.4 mm / 0.173 inches			
Width					10.4 mm / 0.41 inches			
Height					31.9 mm / 1.256 inches			
Height from the surface					28.4 mm / 1.118 inches			
Depth					12.2 mm / 0.48 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					L N			
Potential marking					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)					Female connector/socket			
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			



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	0.054 MJ
Weight	2.5 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	
Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 9.0	EC002637
ETIM 8.0	EC002637
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454544829
Customs tariff number	85366990990

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 Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	Steel Vessel Rules	19-HG1869855-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001Z6
LR Lloyds Register	EN 61535	08/20047 (E2)

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 890-802



CAD/CAE-Data

CAD data
2D/3D Models 890-802



CAE data
ZUKEN Portal 890-802



PCB Design
Symbol and Footprint via SamacSys 890-802
Symbol and Footprint via Ultra Librarian 890-802



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

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