

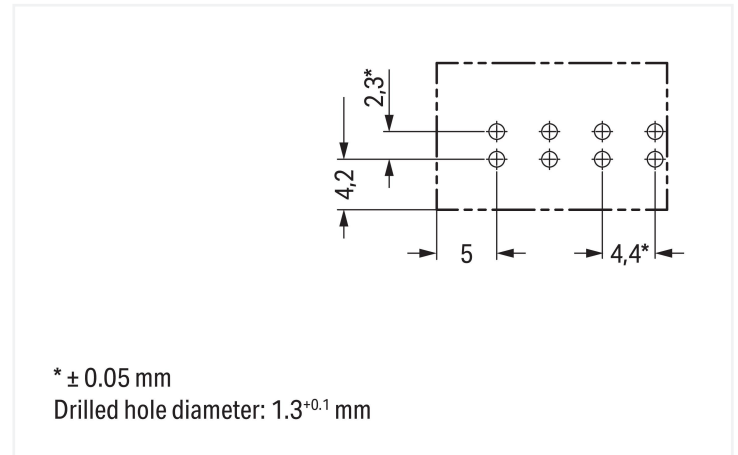
Data Sheet | Item Number: 890-804

Socket for PCBs; straight; 4-pole; Cod. A; black

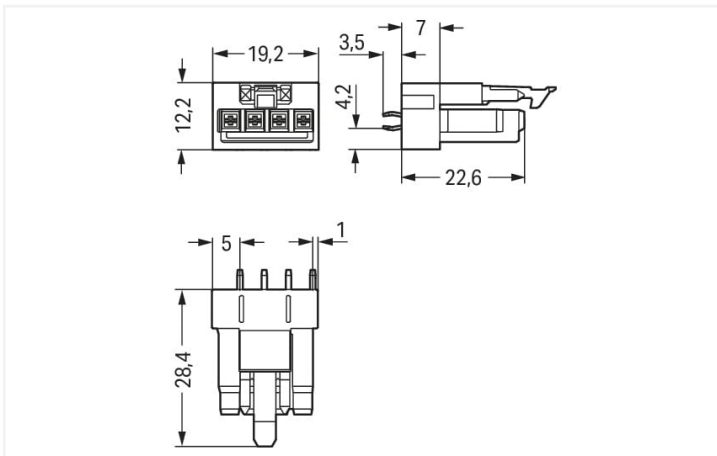
<https://www.wago.com/890-804>



Color: ■ black



Dimensions in mm



Dimensions in mm

Female connector/socket WINSTA® MINI A coding

The WINSTA® MINI female connector/socket with protection against mismatching are compact but powerful 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 stable device connection. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. Thanks to the color coding and mechanical A coding of WINSTA® MINI pcb connectors, you can clearly distinguish different circuits. WINSTA® MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for instance, since as a result of LED technology; due to complex systems, these offer less and less space for the connection technology.

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 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 marking from WAGO.

- protection against mismatching eliminates errors
- consistent IP40 protection
- with A coding for use in many general mains applications
- fast, secure installation



Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		250 V	-	-
Rated surge voltage		4 kV	-	-
Rated current		16 A	-	-
Approvals per				
Rated voltage		600 V		
Rated current		12 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		4		
Number of levels		1		
Connection 1				
Pole number		4		
Physical data				
Pin spacing		4.4 mm / 0.173 inches		
Width		19.2 mm / 0.756 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		N ⊕ 2/L 1/L'		
Potential marking		N ⊕ 2/L 1/L'		
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 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		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	0.08 MJ
Weight	4.4 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	
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)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821695479
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 890-804



CAD/CAE-Data

CAD data

2D/3D Models 890-804



CAE data

ZUKEN Portal 890-804

