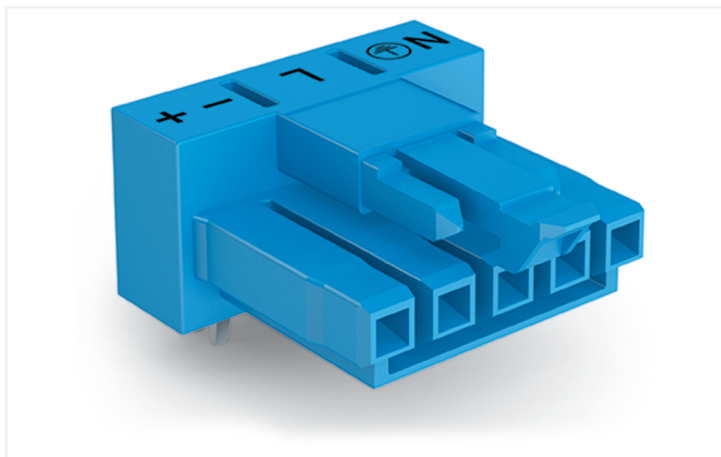


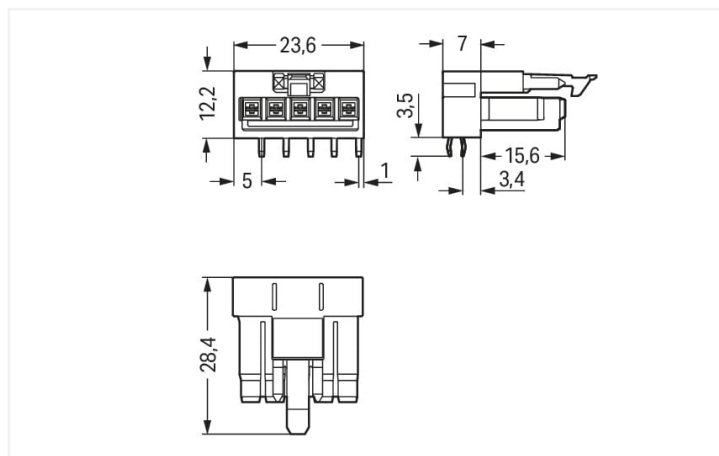
Data Sheet | Item Number: 890-3105/011-000

Socket for PCBs; angled; 5-pole; Cod. I; blue

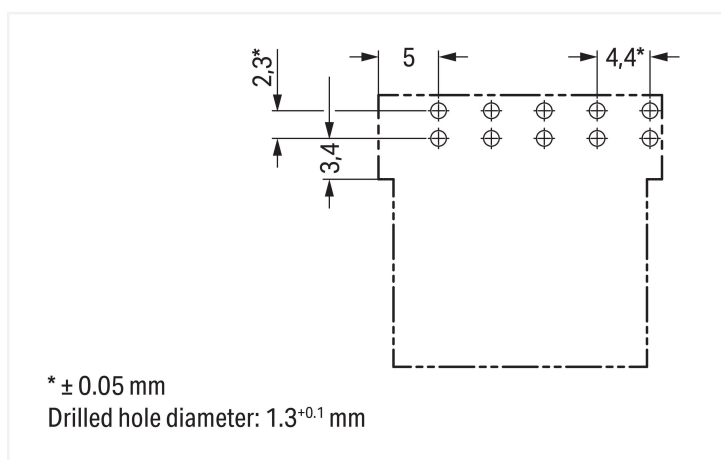
<https://www.wago.com/890-3105/011-000>



Color: ■ blue



Dimensions in mm



Dimensions in mm

Female connector/socket WINSTA® MINI 5-pole

Permanently secure installations through special connection technology: The WINSTA® MINI female connector/socket. Our pluggable PCB connectors give you 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 color coding and mechanical coding of the pcb connectors ensure error-free installation of the individual components – including protection against mismating. WINSTA® MINI pcb connectors with I coding in blue are above all suitable for easy lighting installation, for example for the dimming function of DALI lights. If only limited space is available, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its advantages. It is very compact, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also saves time, since the connection is low-maintenance and can be performed without screw connections.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- pcb connectors with protection against mismating
- consistent IP40 protection
- with I coding for use in building automation (lighting control)
- convenient installation and commissioning



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		5		
Number of levels		1		
Connection 1				
Pole number		5		
Physical data				
Pin spacing		4.4 mm / 0.173 inches		
Width		23.6 mm / 0.929 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		DALI, Lighting Management		
Coding		I		
Variable coding		No		
Marking		N ⊕ L - +		
Potential marking		N ⊕ 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		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		



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		blue
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		0.092 MJ
Weight		5.3 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 9.0		EC002637
ETIM 8.0		EC002637
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		PL
GTIN		4050821695929
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 890-3105/011-000



CAD/CAE-Data

CAD data
2D/3D Models 890-3105/011-000



CAE data
ZUKEN Portal 890-3105/011-000



PCB Design

Symbol and Footprint via SamacSys 890-3105/011-000
Symbol and Footprint via Ultra Librarian 890-3105/011-000



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

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