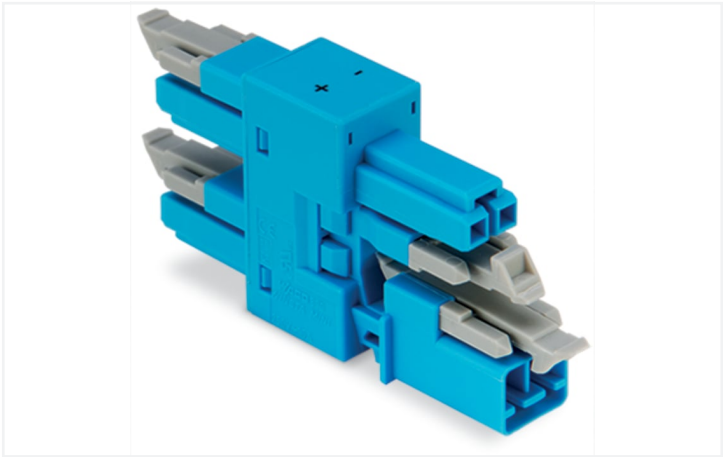
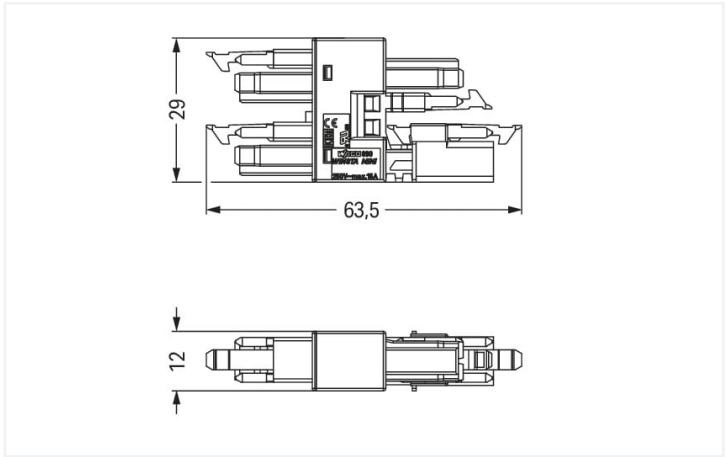




Color: ■ blue



Dimensions in mm

Distribution connector WINSTA® MINI 2-pole

The WINSTA® MINI distribution connector 2-pole is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow resource-efficient, error-free installation in numerous applications. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. I coding in blue is used to mark WINSTA® MINI pluggable installation connectors, which are used above all in building automation for activating lighting. Especially if only limited space is available, 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 can be performed without screw connections.

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

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, more reliable, and error-free. Using this pre-assembled system decreases assembly times and errors during installation at the construction site. Choose durability and quality – with protection type IP20 from WAGO makes the electrical installation of electrical components visibly easier.

- protection against mismating eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm²
- with I coding for controlling light (DALI standard)
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

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
		Pole number 2
Physical data		
Pin spacing	4.4 mm / 0.173 inches	
Width	12 mm / 0.472 inches	
Height	29 mm / 1.142 inches	
Depth	63.5 mm / 2.5 inches	
Mechanical data		
Use	DALI, Lighting Management	
Coding	I	
Variable coding	No	
Marking	+ -	
Potential marking	+ -	
Mating force of a plug-in connection	Approx. 20 ... 70 N (depending on pole number)	
Retention force of a plug-in connection	When 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	
Type of distribution box	Distribution connector, 3-way	
Protection type	IP20; IP40 when mated	
Plug-in connection		
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	
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).	
Number of locking levers	4	
Material data		
Note (material data)	Information on material specifications can be found here	
Color	blue	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Copper or copper alloy; surface-treated	
Contact Plating	Tin	
Fire load	0.262 MJ	
Weight	11.9 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	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 9.0	EC002567
ETIM 8.0	EC002567
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143608718
Customs tariff number	85366990990

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals



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

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 890-1904	

Documentation

Bid Text			
890-1904	19.02.2019	xml 2.72 KB	
890-1904	13.04.2017	doc 22.50 KB	

CAD/CAE-Data	
CAD data	
2D/3D Models 890-1904	
1 Compatible Products	
1.1 System counterpart	
1.1.1 Cable assembly	
Item No.: 891-8982/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm²; 1 m; 1,50 mm²; blue	Item No.: 891-8982/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm²; 1 m; 1,50 mm²; blue
Item No.: 891-8982/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm²; 1 m; 1,50 mm²; blue	
1.1.2 Female connector/socket	
Item No.: 890-1102 Socket; 2-pole; Cod. I; 1,50 mm²; blue	
1.1.3 Male connector/plug	
Item No.: 890-1112 Plug; 2-pole; Cod. I; 1,50 mm²; blue	
1.2 Optional Accessories	
1.2.1 Installation	
1.2.1.1 Mounting accessories	
Item No.: 890-1622 Mounting plate; 2-pole; for distribution connectors; black	Item No.: 890-1672 Mounting plate; 2-pole; for distribution connectors; white
Installation Notes	
Installation	
Secure the mounting plate via pins.	

