



Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MINI with protection against mismating

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MINI cable assembly with protection type IP40. The pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in numerous possible uses. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector is protected in accordance with protection type IP40. Users' fingers and tools will never come into contact with live elements. I coding in blue is used to mark WINSTA® MINI pluggable installation connectors, which are used above all in building automation for activating lighting. Due to its particularly minimal dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very tight spaces, i.e., for connections when very little room is available. According to the European CPR, the fire class of the cables used in construction is critical for the safety of buildings as well. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable. In the production of this cable assembly, halogens were deliberately omitted. This is an important contribution to environmental protection.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a free end are provided. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, more reliable, and error-free. Use of this pre-assembled system reduces assembly times and errors during installation at the construction site. Now you can also reduce installation costs without compromising safety and quality: with marking eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- for lighting management
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

Notes	
Note	Cables with a different fire class can be found in the eShop.

Electrical data					General information	
Ratings per		IEC/EN 60664-1			Note on contact resistance	
Overvoltage category		III	III	II	approx. 1 mΩ of contact resistance	
Pollution degree		3	2	2	approx. 0.25 mΩ contact transition plug/ socket	
Nominal voltage	250 V	-	-	-		
Rated surge voltage	4 kV	-	-	-		
Rated current	16 A	-	-	-		



Connection data			
Total number of potentials	2	Connection 1	
Conductor preparation	ultrasonically tip-bonded	Strip length	9 mm / 0.35 inches
		Pole number	2
		Wire cross-section	1.5 mm²
		Strip length (outer insulation)	32 mm
		Connection type	Socket - free end

Physical data			
Pin spacing		4.4 mm / 0.173 inches	
Width		15.6 mm / 0.614 inches	
Height		13.2 mm / 0.52 inches	
Total length		7 m	

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: > 80N	
Unmating force of a plug-in connection		when unlocked: approx. 20 ... 70 N (depending on pole number)	
Number of mating cycles		200, without resistive load	
Connection type		Socket - free end	
Type of pre-assembled cable		Connecting cable	
Cable type		H05Z1Z1-F 2x1.5	
Protection type		IP40	

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		Can be retrofitted	
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).	

Material data			
Note (material data)		Information on material specifications can be found here	
Color		blue	
Insulation material (main housing)		Polyamide (PA66)	
Fire class per EN 50575		E _{ca}	
Contact material		Copper or copper alloy; surface-treated	
Contact Plating		Tin	
Fire load		209.66 MJ	
Connector color		blue	
Strain relief color		white	



Material data	
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	557.5 g
Copper weight of the pipe	0.029 kg/m

Environmental requirements	
Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data	
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 9.0	EC002587
ETIM 8.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	PL
GTIN	4055143392631
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
CCA KEMA KEUR		
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7971
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123232
Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-



Downloads

Environmental Product Compliance

Compliance Search

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891-8982/116-702

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Documentation

Bid Text			
891-8982/116-702	19.02.2019	xml 3.07 KB	↓
891-8982/116-702	24.11.2014	doc 25.00 KB	↓

CAD/CAE-Data

CAE data

WSCAD Universe
891-8982/116-702

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1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 890-111](#)
Locking lever; for flying leads; for tool operation; black



[Item No.: 890-131](#)
Locking lever; for flying leads; for tool operation; white



[Item No.: 890-101](#)
Locking lever; for manual operation; black



[Item No.: 890-121](#)
Locking lever; for manual operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[Item No.: 897-2001](#)
Protective cap; Type1; for sockets and plugs; PVC; red



1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 890-310
Mounting carrier; 2- to 5-pole; for flying leads; black

Item No.: 890-311
Mounting carrier; 2- to 5-pole; for flying leads; white