



Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MINI with strain relief

The WINSTA® MINI cable assembly with protection against mismatching is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to a huge variety of requirements in seconds. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. Controlled lighting equipment, as used with the DALI standard, for instance, is the main application of WINSTA® MINI pluggable installation connectors with I coding. Thanks to its particularly compact dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very restricted spaces, i.e., for installations when very little room is available. According to the European CPR, the fire class of the cables used for construction is decisive for building safety, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. Not using halogen additives in the manufacture of this cable assembly significantly increases fire safety and reduces environmental pollution.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a plug are provided. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- with I coding for lighting control (DALI standard)
- exact dimensions
- 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 Pole number2 Wire cross-section1.5 mm² Connection typeSocket - Plug
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	1 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 - Plug	
Type of pre-assembled cable	Interconnecting cable	
Cable type	H05Z1Z1-F 2x1.5	
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	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	29.364 MJ	
Connector color	blue	
Strain relief color	black	
Sheathed cable color	black	
Printing color of sheathed cable	white	



Material data	
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	84 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	4055143391559
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

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Environmental Product Compliance

Compliance Search	
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Documentation

Bid Text			
891-8982/016-101	19.02.2019	xml 3.00 KB	
891-8982/016-101	24.11.2014	doc 24.50 KB	

CAD/CAE-Data	
CAE data	
WSCAD Universe 891-8982/016-101	

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