



Color: ■ gray



Dimensions in mm

Cable assembly WINSTA® MINI with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MINI cable assembly with protection type IP20. WAGO pluggable installation connectors can be used when requirements repeat or are distributed on a specific grid, for example for installing grid lighting or flush-mount lighting. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. Solutions like the WINSTA® MINI pluggable installation connectors with B coding are suitable for applications related to process control, such as for lighting or within data networks. WINSTA® MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for instance, since due to LED technology, these offer significantly less space for the connection technology. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Now you can also reduce installation costs without compromising safety and quality: with protection against mismating eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- with B coding for controllers, for example lighting fixtures and sun blinds
- flexible installation to save space
- convenient installation and commissioning

Notes	
Note	Cables with a different fire class can be found in the eShop.
Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

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		10 A	-	-		



Connection data

Total number of potentials	2	Connection 1	
		Pole number	2
		Wire cross-section	1 mm²
		Connection type	Socket - 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	6 m

Mechanical data

Use	Control technology
Coding	B
Variable coding	No
Marking	1 2
Potential marking	1 2
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	Control line 2x1
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	gray
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	0.366 MJ
Connector color	gray
Strain relief color	black
Sheathed cable color	gray
Printing color of sheathed cable	black



Material data	
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	291.3 g
Copper weight of the pipe	0.0192 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	4050821446569
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 891-8992/005-603	

Documentation

Bid Text			
891-8992/005-603	19.02.2019	xml 2.94 KB	
891-8992/005-603	02.06.2015	doc 23.50 KB	



CAD/CAE-Data

CAE data

EPLAN Data Portal
891-8992/005-603

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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