

<https://www.wago.com/891-8995/005-507>



Dimensions in mm

The *WINSTA*® MINI cable assembly with protection type IP20 is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. Solutions like the *WINSTA*® MINI pluggable installation connectors with B coding are appropriate for applications involving process control, such as for lighting or within data networks. *WINSTA*® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is very good for lights, for instance, since as a result of LED technology; due to complex systems, these offer much less space for the connection technology. This product meets all the relevant safety requirements of fire class E; thus it can be used in domains where fire safety is relevant.

The cable assembly is provided with a socket and a plug. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also cut installation costs without compromising quality and safety: with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm²
- with B coding for controllers such as sun blinds and lighting fixtures
- ready for immediate use
- fast, secure installation

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

Ratings per		IEC/EN 60664-1		General information	
Overvoltage category	III	III	II	Note on contact resistance	approx. 1 mΩ of contact resistance
Pollution degree	3	2	2		approx. 0.25 mΩ contact transition plug/ socket
Nominal voltage	400 V	-	-		
Rated surge voltage	6 kV	-	-		
Rated current	10 A	-	-		



Connection data			
Total number of potentials		5	
		Connection 1	
		Pole number	5
		Wire cross-section	1 mm²
		Connection type	Socket - Plug
Physical data			
Pin spacing		4.4 mm / 0.173 inches	
Width		26.7 mm / 1.051 inches	
Height		15.8 mm / 0.622 inches	
Total length		5 m	
Mechanical data			
Use		Control technology	
Coding		B	
Variable coding		No	
Marking		1 2 3 4 5	
Potential marking		1 2 3 4 5	
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		H05VV-F 5x1	
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		pink	
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		0.607 MJ	
Connector color		pink	
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	580.2 g
Copper weight of the pipe	0.048 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	4055143517065
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search	
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Documentation

Bid Text			
891-8995/005-507	19.02.2019	xml 2.92 KB	
891-8995/005-507	02.06.2015	doc 25.00 KB	

CAD/CAE-Data
CAE data
EPLAN Data Portal 891-8995/005-507

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
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1.2 Optional Accessories
1.2.1 Cover
1.2.1.1 Cover



Item No.: 897-2003 Protective cap; Type2; for sockets and plugs; PVC; red
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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
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