



Color: ■ black



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. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in next to no time. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The WINSTA® MINI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. Particularly if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its strengths. It is very compact, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also can be installed quickly, since the connection is low-maintenance and requires no screw connections. This product meets all the relevant fire protection requirements of fire class E; thus it can be used in areas where fire safety is relevant. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials do not easily ignite.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a plug. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Choose quality and durability – with fire class E from WAGO makes the installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismatching
- easy tool-free operation, a wide range of coding options
- with A coding for a great number of applications
- flexible installation to save space
- fast, secure installation

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 number	2
		Wire cross-section	1.5 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		8 m	
Mechanical data			
Use		General mains applications	
Coding		A	
Variable coding		No	
Marking		L N	
Potential marking		L N	
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		black	
Insulation material (main housing)		Polyamide (PA66)	
Flammability class per UL94		V0	
Fire class per EN 50575		E _{ca}	
Contact material		Copper or copper alloy; surface-treated	
Contact Plating		Tin	
Fire load		239.37 MJ	
Connector color		black	
Strain relief color		black	
Sheathed cable color		black	



Material data		
Printing color of sheathed cable		white
Halogen-free		Yes
Silicon-free		Yes
Sheath material		Halogen-free
Rubber cable		No
Weight		635.2 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		4055143391962
Customs tariff number		85444290900

Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption

Downloads		
Environmental Product Compliance		
Compliance Search		
Environmental Product Compliance		↓
891-8992/016-801		

Documentation				
Bid Text				
891-8992/016-801	19.02.2019	xml	2.95 KB	↓
891-8992/016-801	24.11.2014	doc	24.00 KB	↓



CAD/CAE-Data	
CAE data	
EPLAN Data Portal 891-8992/016-801	
WSCAD Universe 891-8992/016-801	

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