Item description

Cable assembly *WINSTA*® MINI with protection type IP20

The *WINSTA*® MINI cable assembly with protection type IP20 supports rapid, correct installation. WAGO pluggable installation connectors are used when criteria repeat or are distributed on a specified pattern, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. Thanks to the color coding and mechanical A coding of *WINSTA*® MINI pluggable installation connectors, you can clearly distinguish different circuits. *WINSTA*® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer less and less space for the connection technology. According to the European CPR, the fire class of the cables used in construction is essential for building safety, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable. Not using halogen additives in the production of this cable assembly noticeably increases fire safety and minimises environmental pollution.

Fast, error-free assembly thanks to cable assemblies from WAGO

The cable assembly is provided with a socket and a plug. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MINI pluggable installation connectors with fire class E from WAGO.

- pluggable installation connectors with protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- with A coding for use in a large number of general mains applications
- flexible installation to save space
- quick replacement of defective units during ongoing operation

Subject to changes. Please also observe the further product documentation!

Data
Notes

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

Electrical data

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	13 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

Note for the US market	Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Connection data

Total number of potentials	5
Conductor preparation	ultrasonically tip-bonded

Connection 1

Number of poles	5
Sheathed cable diameter	9.3 … 11.6 mm
Wire cross-section	1.5 mm²
Connection type	Socket - Plug

Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	2 m

Subject to changes. Please also observe the further product documentation!

Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N $\perp$ 1 2 3
Potential Marking	N $\perp$ 1 2 3
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 5G1.5
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

Material data

Note (material data)	Information on material data can be found here
Color	black
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E_{ca}
Contact material	Copper or copper alloy; surface-treated
Fire load	59.886 MJ
Connector color	black
Printing color of mating face	white
Strain relief color	black
Sheathed cable color	black

Subject to changes. Please also observe the further product documentation!

Printing color of sheathed cable	white
Halogen-free	Yes
Sheath material	Halogen-free
Weight	329.3 g
Copper weight of the pipe	0.072 kg/m

Environmental requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	PL
GTIN	4055143399616
Customs tariff number VKOrg Germany	85444290900

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
CCA	**CCA** DEKRA Certification B.V.	EN 61535	NTR NL-7823
KEMA KEUR	**KEMA/KEUR** DEKRA Certification B.V.	EN 61535	71-112995

Required accessories

Locking levers

Locking system

	Item no.: 890-111 Locking lever; for flying leads; for tool operation; black	www.wago.com/890-111

Subject to changes. Please also observe the further product documentation!

| Item no.: 890-101 | |
| Locking lever; for manual operation; black | www.wago.com/890-101 |

| Item no.: 890-121 | |
| Locking lever; for manual operation; white | www.wago.com/890-121 |

| Item no.: 890-131 | |
| Locking lever; for flying leads; for tool operation; white | www.wago.com/890-131 |

Optional accessories

Mounting

Mounting accessories

| Item no.: 890-310 | |
| Mounting carrier; 2- to 5-pole; for flying leads; black | www.wago.com/890-310 |

| Item no.: 890-311 | |
| Mounting carrier; 2- to 5-pole; for flying leads; white | www.wago.com/890-311 |

Cover

Other

| Item no.: 897-2003 | |
| Protective cap; Type2; for sockets and plugs; PVC; red | www.wago.com/897-2003 |

Downloads
Documentation

Bid Text

| 891-8995/016-201 | 2019 Feb 19 | xml | Download |
| X81 - Datei | | 3.0 kB | |

| 891-8995/016-201 | 2014 Dec 1 | doc | Download |
| doc - Datei | | 25.1 kB | |

CAD files
CAD data

| 2D/3D Models 891-8995/016-201 | URL | Download |

CAE data

| WSCAD Universe 891-8995/016-201 | URL | Download |

Subject to changes. Please also observe the further product documentation!

		URL	Download
WSCAD Universe 891-8995/016-201		URL	Download
ZUKEN Portal 891-8995/016-201		URL	Download

Environmental Product Compliance

Compliance Search

		URL	Download
Environmental Product Compliance 891-8995/016-201		URL	Download
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05Z1Z1-F 5G 1.5 mm²; 2 m; 1,50 mm²; black			

Installation Notes

Product family

WINSTA® MINI
Show all products from the family

Subject to changes. Please also observe the further product documentation!