pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A;
H05Z1Z1-F 4G 1.5 mm²; 5 m; 1,50 mm²; white

www.wago.com/891-8994_216-502
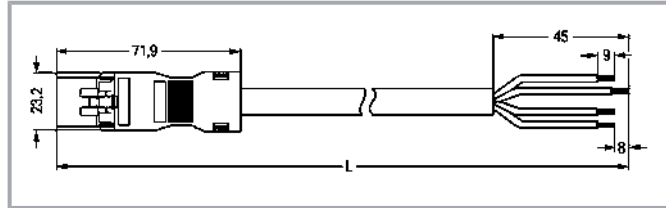
Item description

Cable assembly *WINSTA*® MINI with strain relief

The *WINSTA*® MINI cable assembly with protection against mismating supports rapid, correct installation. 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 no time flat. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The *WINSTA*® MINI pluggable installation connector with A coding in white or black is usually used for general mains applications in power distribution. *WINSTA*® MINI follows the trend towards 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. According to the European CPR, the fire class of the cables used in construction is decisive for building safety, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials are flame-resistant.

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

The cable is pre-assembled with a plug and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose quality and durability – the *WINSTA*® MINI pluggable installation connector with marking from WAGO makes the installation of electrical components significantly easier.

- effective protection against mismating
- easy tool-free operation, a wide range of coding options
- for any mains application
- exact dimensions
- fast, secure installation

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	16 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	4
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	4
Sheathed cable diameter	8.4 … 10.5 mm
Wire cross-section	1.5 mm²
Strip length (outer insulation)	45 mm
Connection type	Plug - Free end

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

Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	5 m

Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N ⏚ 2/L 1/L'
Potential Marking	N ⏚ 2/L 1/L'
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	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 4G1.5
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	white
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E_{ca}
Contact material	Copper or copper alloy; surface-treated

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

Fire load	149.759 MJ
Connector color	white
Printing color of mating face	black
Strain relief color	white
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Sheath material	Halogen-free
Weight	600.5 g
Copper weight of the pipe	0.058 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	4055143405492
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

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

Required accessories

Locking levers

Locking system

Item no.: 890-111		www.wago.com/890-111
Locking lever; for flying leads; for tool operation; black		
Item no.: 890-101		www.wago.com/890-101
Locking lever; for manual operation; black		
Item no.: 890-121		www.wago.com/890-121
Locking lever; for manual operation; white		
Item no.: 890-131		www.wago.com/890-131
Locking lever; for flying leads; for tool operation; white		

Optional accessories

Cover

Other

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

Mounting

Mounting accessories

Item no.: 890-310		www.wago.com/890-310
Mounting carrier; 2- to 5-pole; for flying leads; black		
Item no.: 890-311		www.wago.com/890-311
Mounting carrier; 2- to 5-pole; for flying leads; white		

Downloads
Documentation

Bid Text

891-8994/216-502	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8994/216-502	2014 Dec 1	doc	Download
doc - Datei		25.6 kB	

CAD files

CAE data

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

WSCAD Universe 891-8994/216-502		URL	Download
WSCAD Universe 891-8994/216-502		URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8994/216-502	URL	Download
pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05Z1Z1-F 4G 1.5 mm²; 5 m; 1,50 mm²; white		

Installation Notes

Product family

WINSTA® MINI
Show all products from the family

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

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.