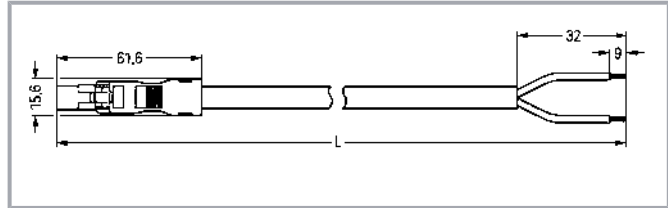# Data sheet | Item number: 891-8992/216-202

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A;
H05Z1Z1-F 2 x 1,50 mm²; 2 m; 1,50 mm²; white

www.wago.com/891-8992_216-202

Item description

Cable assembly WINSTA® MINI with protection against mismating

The WINSTA® MINI cable assembly 2-pole supports fast, reliable installation. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in next to no time. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. Standard mains applications for almost any domain of use can be realised with WINSTA® MINI pluggable installation connectors with A coding. WINSTA® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is very good for lights, for instance, since due to LED technology, these offer much less space for the connection technology. This product meets all the mandatory safety requirements of fire class E; thus it can be used in areas where fire safety is relevant. In the manufacturing of this cable assembly, we eliminated the use of halogen. This is an important contribution to environmental protection.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is provided with a plug and a free end. The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose durability and quality – the WINSTA® MINI pluggable installation connector with strain relief hosting from WAGO makes the installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismating
- easy tool-free operation, a wide range of coding options
- for any mains application
- custom-engineered solutions
- 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)	250 V
Rated impulse voltage (III/3)	4 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	2
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	2
Sheathed cable diameter	6.8 … 8.6 mm
Wire cross-section	1.5 mm²
Strip length (outer insulation)	32 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	2 m

Mechanical data

Application	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	Plug - Free end
Type of pre-assembled cable	Connecting 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

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	59.556 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	162.3 g
Copper weight of the pipe	0.029 kg/m

Environmental requirements

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

Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	PL
GTIN	4055143392853
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 Locking lever; for flying leads; for tool operation; black		www.wago.com/890-111
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.: 897-2001 Protective cap; Type1; for sockets and plugs; PVC; red	www.wago.com/897-2001

Downloads
Documentation

Bid Text

891-8992/216-202 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8992/216-202 doc - Datei	2014 Nov 21	doc 25.1 kB	Download

CAD files

CAE data

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

WSCAD Universe 891-8992/216-202	URL	Download
WSCAD Universe 891-8992/216-202	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8992/216-202 pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05Z1Z1-F 2 x 1,50 mm²; 2 m; 1,50 mm²; white	URL	Download

Installation Notes

Product family

WINSTA® MINI
Show all products from the family

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

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