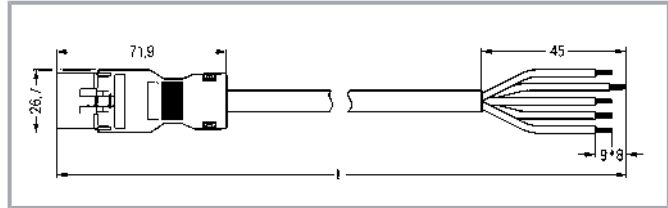


Data sheet | Item number: 891-8995/216-402

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

www.wago.com/891-8995_216-402



Item description

Cable assembly **WINSTA®** MINI rated current 13 A

Use effective pluggable connections instead of laborious screw connections: With the **WINSTA®** MINI cable assembly with protection type IP20. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to an enormous 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 mismatching. The **WINSTA®** MINI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. **WINSTA®** MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for instance, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. In the production of this cable assembly, halogens were deliberately omitted. This is an important contribution to climate protection.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a plug and a free end. The **WINSTA®** Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and installation errors at the construction site. 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 protection type IP20 from WAGO.

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for use in many general mains applications
- ready for immediate use

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
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- quick replacement of defective units during ongoing operation

Data Notes

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

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

Total number of potentials	5
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	5
Sheathed cable diameter	9.3 ... 11.6 mm
Wire cross-section	1.5 mm ²
Strip length (outer insulation)	45 mm
Connection type	Plug - Free end

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Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	4 m

Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N ∇ 1 2 3
Potential Marking	N ∇ 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	Plug - free end
Type of pre-assembled cable	Connecting 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	white
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy; surface-treated

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Fire load	119.781 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	626.6 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	4055143400244
Customs tariff number VKOrg Germany	85444290900

Approvals / Certificates

Country specific Approvals

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

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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

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		

Cover

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

Downloads

Documentation

Bid Text

891-8995/216-402	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8995/216-402	2014 Dec 1	doc	Download
doc - Datei		26.1 kB	

CAD files

CAE data

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WSCAD Universe 891-8995/216-402	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8995/216-402	URL	Download
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05Z1Z1-F 5G 1.5 mm²; 4 m; 1,50 mm²; white		

Installation Notes

Product family

WINSTA® MINI
[Show all products from the family](#)

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