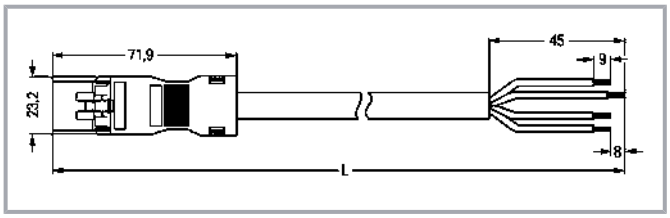
Data sheet | Item number: 891-8994/216-402

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

www.wago.com/891-8994_216-402



Item description

Cable assembly *WINSTA*® MINI with protection type IP20

The *WINSTA*® MINI cable assembly 4-pole supports fast, reliable installation. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow flexible, error-free installation in numerous possible uses. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. Standard mains applications for almost any domain of use can be realised with *WINSTA*® MINI pluggable installation connectors with A coding. Particularly where space is tight, our smallest pluggable connection system, *WINSTA*® MINI, consistently 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 safety requirements of fire class E; as a result it can be used in domains where fire safety is relevant. Eliminating halogens as an additive in the production of this cable assembly substantially increases fire safety and minimises environmental pollution.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A plug and a free end are available. The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, more reliable, and error-free. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also cut installation costs without compromising quality and safety: The *WINSTA*® MINI pluggable installation connector with protection against mismating eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- consistent IP40 protection
- with A coding for use in a large number of general mains applications
- custom-engineered solutions

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

- rapid, structured electrical installation

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

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Connection type	Plug - Free end

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 ⏚ 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}

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

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Contact material	Copper or copper alloy; surface-treated
Fire load	119.759 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	482.5 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	4055143405454
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

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.: 897-2003 Protective cap; Type2; for sockets and plugs; PVC; red	www.wago.com/897-2003

Downloads

Documentation

Bid Text

891-8994/216-402 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8994/216-402 doc - Datei	2014 Dec 1	doc 25.6 kB	Download

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CAD files

CAE data

WSCAD Universe 891-8994/216-402	URL	Download
WSCAD Universe 891-8994/216-402	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8994/216-402 pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05Z1Z1-F 4G 1.5 mm²; 4 m; 1,50 mm²; white	URL	Download

Installation Notes

Product family

WINSTA® MINI
Show all products from the family

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