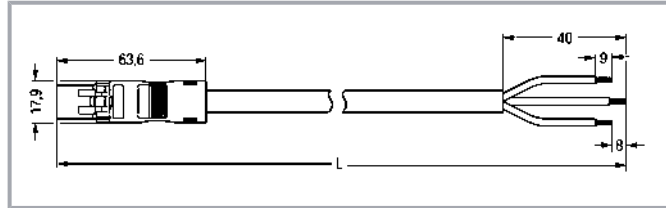


Data sheet | Item number: 891-8993/216-401

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A;
H05Z1Z1-F 3G 1.5 mm²; 4 m; 1,50 mm²; black



www.wago.com/891-8993_216-401



Item description

Cable assembly *WINSTA*® MINI with protection type IP20

The *WINSTA*® MINI cable assembly A coding provides the foundation for assembly of solid and fine-stranded conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different 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 white or black is normally used for general mains applications in power distribution. Due to its particularly small dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very tight spaces, i.e., for installations when very little room is available. According to the European CPR, the fire class of the cables used in construction is essential for building safety as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. In the production of this cable assembly, we eliminated the use of halogen. That is an important contribution to climate protection.

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 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 mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- for any mains application
- exact dimensions
- quick replacement of defective units during ongoing operation

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.



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	3
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	3
Sheathed cable diameter	7.4 ... 9.4 mm
Wire cross-section	1.5 mm ²
Strip length (outer insulation)	40 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	L \perp N
Potential Marking	L \perp 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 3G1.5
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

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



Fire load	119.724 MJ
Connector color	black
Printing color of mating face	white
Strain relief color	black
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	Yes
Sheath material	Halogen-free
Weight	396.1 g
Copper weight of the pipe	0.043 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	4055143397636
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	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

891-8993/216-401 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8993/216-401 doc - Datei	2014 Nov 26	doc 26.1 kB	Download

CAD files

CAD data

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



2D/3D Models 891-8993/216-401	URL	Download
CAE data		
WSCAD Universe 891-8993/216-401	URL	Download
ZUKEN Portal 891-8993/216-401	URL	Download
WSCAD Universe 891-8993/216-401	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8993/216-401	URL	Download
pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm ² ; 4 m; 1,50 mm ² ; black		

Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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