

Data sheet | Item number: 891-8993/116-102

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

www.wago.com/891-8993_116-102



Item description

Cable assembly **WINSTA®** MINI with protection type IP40

The **WINSTA®** MINI cable assembly with protection type IP40 supports rapid, correct installation. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow fast, efficient, error-free installation in numerous applications. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector is protected against ingress by solid granular objects with a diameter below 1 mm in accordance with protection type IP40. General mains applications for almost any domain of use can be realised with **WINSTA®** MINI pluggable installation connectors with A coding. Thanks to its particularly compact dimensions, our **WINSTA®** MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is very suitable in very tight spaces, i.e., for installations when very little room is available. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. 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, we eliminated the use of halogen. This is an important contribution to climate protection.

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

The cable assembly is equipped with a socket and a free end. The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also lower installation expenses without compromising quality and safety: The **WINSTA®** MINI pluggable installation connector with protection type IP40 reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- consistent IP40 protection
- for any mains application
- exact dimensions

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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

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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)	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.
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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

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Connection type	Socket - Free end
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Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	1 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	Socket - Free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 3G1.5
Protection type	IP40

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}

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Contact material	Copper or copper alloy; surface-treated
Fire load	29.755 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	104.1 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	4055143397827
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

891-8993/116-102	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8993/116-102	2014 Nov 26	doc	Download
doc - Datei		25.6 kB	

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CAD files

CAE data

WSCAD Universe 891-8993/116-102	URL	Download
WSCAD Universe 891-8993/116-102	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8993/116-102	URL	Download
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Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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