

Data sheet | Item number: 891-8993/116-402

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

www.wago.com/891-8993_116-402



Item description

Cable assembly **WINSTA®** MINI with strain relief

The **WINSTA®** MINI cable assembly rated current 16 A allows assembly of fine-stranded and solid conductors. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in next to no time. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected against ingress by solid granular objects with a diameter of less than 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 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. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. Not using halogen additives in the manufacture of this cable assembly substantially increases fire safety and reduces environmental contamination.

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

A socket and a free end are available. **WINSTA®** is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – the **WINSTA®** MINI pluggable installation connector with protection against mismatching from WAGO makes the installation of electrical components noticeably easier.

- effective protection against mismatching
- consistent IP40 protection
- with A coding for a great number of applications
- ready for immediate use
- rapid, structured electrical installation

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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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.
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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
Connection type	Socket - 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	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}
Contact material	Copper or copper alloy; surface-treated
Fire load	119.755 MJ

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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	396.6 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	4055143520959
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

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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

Cover

Other



Item no.: 897-2001 Protective cap; Type1; for sockets and plugs; PVC; red	www.wago.com/897-2001
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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

Downloads

Documentation

Bid Text

891-8993/116-402 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8993/116-402 doc - Datei	2014 Nov 26	doc 25.6 kB	Download

CAD files

CAE data

WSCAD Universe 891-8993/116-402	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8993/116-402	URL	Download
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Installation Notes

Product family

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

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