

Data sheet | Item number: 891-8993/116-601

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A;
H05Z1Z1-F 3G 1.5 mm²; 6 m; 1,50 mm²; black

www.wago.com/891-8993_116-601



Item description

Cable assembly **WINSTA®** MINI rated current 16 A

The **WINSTA®** MINI cable assembly with protection type IP40 is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in seconds. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector offers protection against contact with tools or wires if they are smaller than 1 mm in accordance with protection type IP40. 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 additionally can be installed quickly, since the connection is low-maintenance and can be performed without screw connections. According to the European CPR, the fire class of the cables used in construction is decisive for building safety, too. For buildings with average safety requirements, cable assemblies with fire class E are suitable. Eliminating halogens as an additive in the production of this cable assembly noticeably improves fire safety and minimises environmental pollution.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a free end. The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the **WINSTA®** MINI pluggable installation connector with protection against mismating from WAGO makes the electrical installation of electrical components visibly easier.

- effective protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- suitable for any application
- custom-engineered solutions

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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	6 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	black
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	179.754 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	591.7 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	DE
GTIN	4055143293853
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

Cover

Other		
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Item no.: 897-2001

Protective cap; Type1; for sockets and plugs; PVC; red

www.wago.com/897-2001

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

891-8993/116-601	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8993/116-601	2014 Nov 26	doc	Download
doc - Datei		25.1 kB	

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CAD files

CAE data

WSCAD Universe 891-8993/116-601	URL	Download
WSCAD Universe 891-8993/116-601	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8993/116-601	URL	Download
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Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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