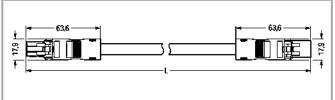
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm²; 4 m; 1,50 mm²; black



www.wago.com/891-8993_016-401





Item description

Cable assembly WINSTA® MINI with protection against mismating

For signal and power transmission: The *WINSTA*® MINI cable assembly with protection against mismating. WAGO pluggable installation connectors are used when criteria repeat or are distributed on a specified pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The *WINSTA*® MINI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. *WINSTA*® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is very good for lights, for instance, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology. According to the European CPR, the fire class of the cables used for construction is critical for building safety as well. For houses with average safety requirements, cable assemblies with fire class E are suitable. Not using halogen additives in the manufacture of this cable assembly noticeably improves fire safety and reduces environmental contamination.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Now you can also cut installation costs without compromising safety and quality: The WINSTA® MINI pluggable installation connector with marking eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- with A coding for a large number of applications
- ready for immediate use
- 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

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Data Notes

Note

Cables with a different fire class can be found in the eShop.

_	I A A tr	-	l data
	CUL	L.a	ıuata

Note on contact resistance approx. 1 m Ω of contact resistance

approx. $0.25 \text{ m}\Omega$ 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

Number of poles	3
Sheathed cable diameter	7.4 9.4 mm
Wire cross-section	1.5 mm²
Connection type	Socket - Plug

Physical data

Pin spacing 4.4 mm / 0.173 inch

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Total length	4 m
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Mechanical data

Application	General mains applications
Coding	А
Variable coding	No
Marking	L
Potential Marking	L _₹ 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 - Plug
Type of pre-assembled cable	Interconnecting 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
Fire load	119.328 MJ
Connector color	black
Printing color of mating face	white

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Strain relief color	black
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	Yes
Sheath material	Halogen-free
Weight	402.4 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 \leq 70 °C (including halogen-free) Insulating parts for temperatures \leq 105 °C	

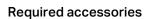
Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	PL
GTIN	4055143397469
Customs tariff number VKOrg Germany	85444290900

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	name
CCA	CCA DEKRA Certification B.V.	EN 61535	NTR NL- 7823
KEMA	KEMA/KEUR DEKRA Certification B.V.	EN 61535	71- 112995



Locking levers

Locking system

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

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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

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Mounting accessories				
	Item no.: 890-310	www.wago.com/890-310		
	Mounting carrier; 2- to 5-pole; for flying leads; black	Ç		
	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

891-8993/016-401 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8993/016-401 doc - Datei	2014 Nov 26	doc 24.6 kB	Download

CAD files

CAE data

WSCAD Universe 891-8993/016-401	URL	Download
WSCAD Universe 891-8993/016-401	URL	Download
Subject to changes. Please also observe the further product documentation!		

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8993/016-401 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm²; 4 m; 1,50 mm²; black

URL

Download

Installation Notes

Product family

WINSTA® MINI

Show all products from the family

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

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