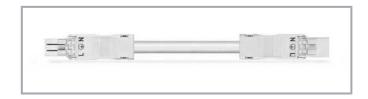
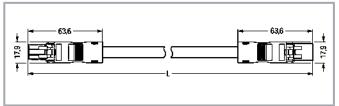
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm<sup>2</sup>; 4 m; 1,50 mm<sup>2</sup>; white



www.wago.com/891-8993\_016-402





#### Item description

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

For signal and power transmission: The *WINSTA®* MINI cable assembly A coding. 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 next to no time. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. General mains applications for almost any domain of use can be implemented with *WINSTA®* MINI pluggable installation connectors with A coding. Particularly if only limited space is available, our smallest pluggable connection system, *WINSTA®* MINI, conveniently displays its advantages. It saves space, 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 for construction is essential for building safety, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials are flame-resistant.

#### Fast, secure pluggable connections - cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Now you can also reduce installation expenses without compromising quality and safety: The WINSTA® MINI pluggable installation connector with strain relief hosting eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- easy tool-free operation, a wide range of coding options
- with A coding for a great number of applications
- exact dimensions

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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fast, secure installation

Data Notes

Note

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

#### Electrical data

Note on contact resistance approx. 1 m $\Omega$  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

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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 <del>↓</del> N	
Potential Marking	L	
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	white	
Insulation material	Polyamide (PA66)	
Fire class per EN 50575	E <sub>ca</sub>	
Contact material	Copper or copper alloy; surface-treated	
Fire load	119.603 MJ	

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# **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	4055143397681
Customs tariff number VKOrg Germany	85444290900

# Approvals / Certificates

**Country specific Approvals** 

Logo	Approval	Additional Approval Text	Certificate name
CCI	CCA DEKRA Certification B.V.	EN 61535	NTR NL- 7823
LLA	DENIA Certification B.V.		7023
	KEMA/KEUR	EN 61535	71-
KEMA	DEKRA Certification B.V.		112995

# Required accessories

Locking levers

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

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

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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

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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		
over				
Other				



Item no.: 897-2001

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

www.wago.com/897-2001

# **Downloads Documentation**

#### **Bid Text**

891-8993/016-402 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8993/016-402 doc - Datei	2014 Nov 26	doc 24.6 kB	Download

# **CAD files**

#### CAE data

URL WSCAD Universe 891-8993/016-402 Download

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# **Environmental Product Compliance**

Compliance Search

Environmental Product Compliance 891-8993/016-402 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm<sup>2</sup>; 4 m; 1,50 mm<sup>2</sup>; white

URL

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#### **Installation Notes**

# **Product family**

WINSTA® MINI

Show all products from the family

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