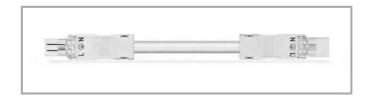
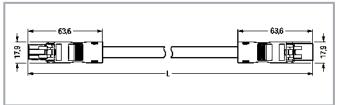
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm²; 3 m; 1,50 mm²; white



www.wago.com/891-8993\_016-302





#### Item description

#### Cable assembly WINSTA® MINI A coding

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA®* MINI cable assembly rated current 16 A. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to a huge variety of requirements in no time flat. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. Standard mains applications for almost any domain of use can be implemented with *WINSTA®* MINI pluggable installation connectors with A coding. *WINSTA®* MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is very good for lights, for example, since due to LED technology, these offer less and less space for the connection technology. This product meets all the relevant fire protection requirements of fire class E; therefore it can be used in areas where fire safety is relevant. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials do not easily ignite.

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

The cable assembly is equipped with a socket and a plug. 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. Now you can also cut installation expenses without compromising quality and safety: The WINSTA® MINI pluggable installation connector with marking reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- consistent IP40 protection
- with A coding for a great number of applications
- ready to install and use immediately
- convenient installation and commissioning

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.

#### 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

## Physical data

Pin spacing 4.4 mm / 0.173 inch

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Total length	3 m	

## Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	L
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	89.603 MJ
Connector color	white
Printing color of mating face	black

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

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Sheathed cable color white  Printing color of sheathed cable black  Halogen-free Yes
· · · · · · · · · · · · · · · · · · ·
Halogen-free Yes
Sheath material Halogen-free
Weight 305.7 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

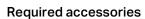
#### Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	PL
GTIN	4055143397698
Customs tariff number VKOrg Germany	85444290900

## Approvals / Certificates

## **Country specific Approvals**

Logo	Approval	Additional Approval Text	Certificate 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	www.wago.com/656 516		
	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**

891-8993/016-302 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8993/016-302 doc - Datei	2014 Nov 26	doc 24.6 kB	Download

## **CAD files**

#### CAE data

WSCAD Universe 891-8993/016-302	URL	Download
WSCAD Universe 891-8993/016-302	URL	Download
Subject to changes. Please also observe the further product documentation!		

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## **Environmental Product Compliance**

Compliance Search

Environmental Product Compliance 891-8993/016-302

URL

Download

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F  $3G\ 1.5\ mm^2$ ; 3 m; 1,50 mm²; white

**Installation Notes** 

**Product family** 

WINSTA® MINI

Show all products from the family

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

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