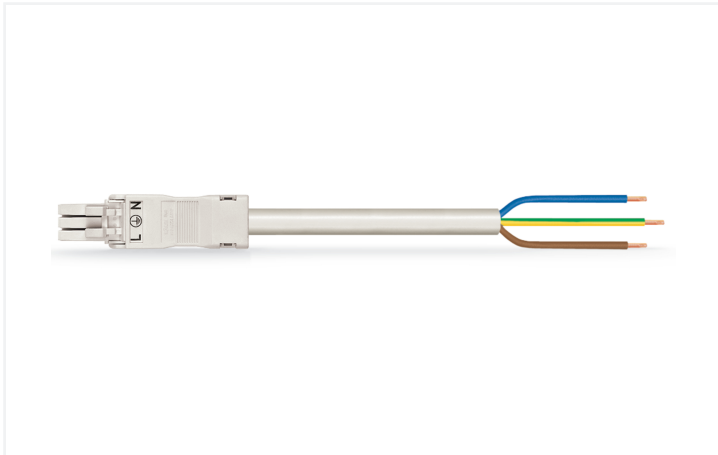


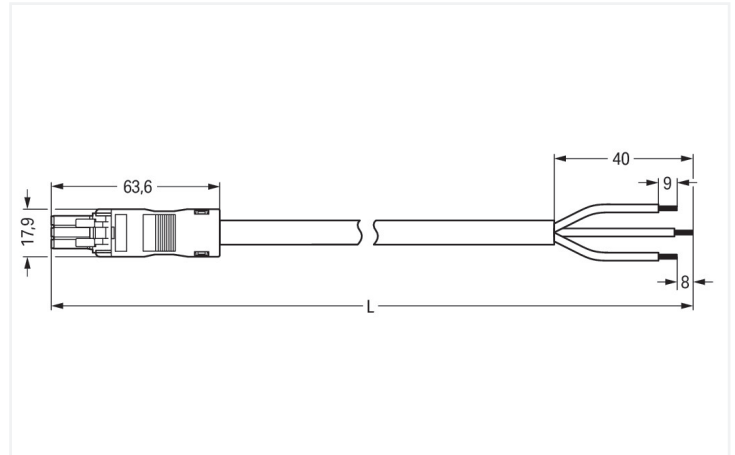
## Data Sheet | Item Number: 891-8993/115-202

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A;  
H05Z1Z1-F 3G 1.0 mm<sup>2</sup>; 2 m; 1,00 mm<sup>2</sup>; white

<https://www.wago.com/891-8993/115-202>



Color: ■ white



Dimensions in mm

### Cable assembly WINSTA® MINI with protection against mismatching

The WINSTA® MINI cable assembly 3-pole allows installation of fine-stranded and solid conductors. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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. The WINSTA® MINI pluggable installation connector with A coding in white or black is normally used for general mains applications in power distribution. WINSTA® MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for example, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are met by this product through fire class E. In the manufacturing of this cable assembly, halogens were deliberately omitted. This is an important contribution to environmental protection.

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

The cable is pre-assembled with a socket and a free end. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Choose durability and quality – with strain relief housing from WAGO makes the installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismatching
- consistent IP40 protection
- with A coding for use in many general mains applications
- ready for immediate use
- quick replacement of defective units during ongoing operation

### Notes

Note

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

## Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	10 A	-	-

## General information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket
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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 inches
Pole number	3
Wire cross-section	1 mm <sup>2</sup>
Strip length (outer insulation)	40 mm
Connection type	Socket - free end

## Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	17.9 mm / 0.705 inches
Height	14 mm / 0.551 inches
Total length	2 m

## Mechanical data

Use	General mains applications
Coding	A
Variable coding	No
Marking	L ⊕ N
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 - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 3G1
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
Note on locking system	All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	white
Insulation material (main housing)	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	59.833 MJ
Connector color	white
Strain relief color	white
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	152.5 g
Copper weight of the raw cable	0.029 kg/m

### Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

### Commercial data

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	PL
GTIN	4055143397292
Customs tariff number	85444290900

### Product Classification

UNSPSC	26121629
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 9.0	EC002587
ETIM 10.0	EC002587
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7971
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123232

### Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

## Downloads

### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 891-8993/115-202	<a href="#">↓</a>

## Documentation

Bid Text			
891-8993/115-202	19.02.2019	xml 3.02 KB	<a href="#">↓</a>
891-8993/115-202	26.11.2014	doc 25.00 KB	<a href="#">↓</a>

## CAD/CAE-Data

CAE data	
EPLAN Data Portal 891-8993/115-202	<a href="#">↓</a>
WSCAD Universe 891-8993/115-202	<a href="#">↓</a>

## 1 Compatible Products

### 1.1 Required Accessories

#### 1.1.1 Locking system

##### 1.1.1.1 Locking system



[Item No.: 890-111](#)  
Locking lever; for flying leads; for tool operation; black

[Item No.: 890-131](#)  
Locking lever; for flying leads; for tool operation; white

[Item No.: 890-101](#)  
Locking lever; for manual operation; black

[Item No.: 890-121](#)  
Locking lever; for manual operation; white

## 1.2 Optional Accessories

### 1.2.1 Cover

#### 1.2.1.1 Cover



**Item No.: 897-2001**

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

## 1.2.2 Installation

### 1.2.2.1 Mounting accessories



**Item No.: 890-310**

Mounting carrier; 2- to 5-pole; for flying leads; black



**Item No.: 890-311**

Mounting carrier; 2- to 5-pole; for flying leads; white