

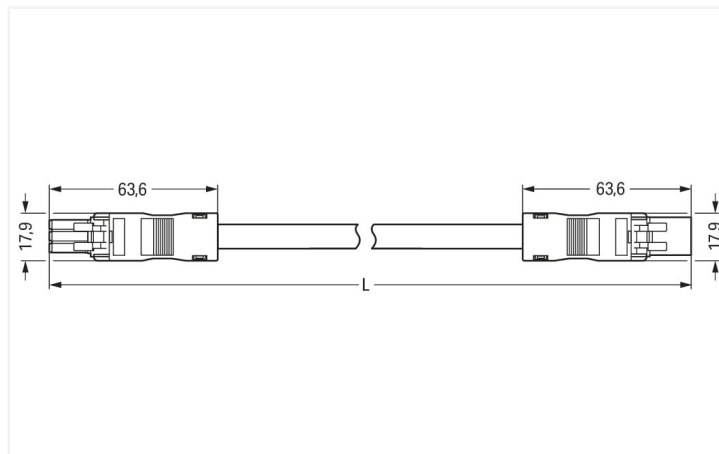
## Data Sheet | Item Number: 891-8993/006-201

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F  
3G 1.5 mm<sup>2</sup>; 2 m; 1,50 mm<sup>2</sup>; black

<https://www.wago.com/891-8993/006-201>



Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MINI with protection type IP20

The WINSTA® MINI cable assembly with protection against mismatching allows assembly of fine-stranded and solid conductors. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in next to no time. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. General mains applications for almost any domain of use can be implemented with WINSTA® MINI pluggable installation connectors with A coding. Especially if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, consistently displays its advantages. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it additionally can be installed quickly, since the connection is low-maintenance and requires no screw connections. According to the European CPR, the fire class of the cables used in construction is critical for the safety of buildings as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided 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 error-free installation of cables and components, quickly and reliably. Choose quality and durability – with protection against mismatching from WAGO makes the installation of electrical components visibly easier.

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for use in many general mains applications
- custom-engineered solutions
- convenient installation and commissioning

### 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 surge voltage	4 kV	-	-
Rated current	16 A	-	-

### General information

Note on contact resistance

approx. 1 mΩ of contact resistance  
approx. 0.25 mΩ contact transition plug/  
socket

## Connection data

Total number of potentials	3	<b>Connection 1</b>	
PE function	Preceding PE contact	Pole number	3
		Wire cross-section	1.5 mm <sup>2</sup>
		Connection type	Socket - Plug

## 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 - Plug
Type of pre-assembled cable	Interconnecting cable
Cable type	H05VV-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
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	black
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	60.053 MJ
Connector color	black
Strain relief color	black
Sheathed cable color	black

### Material data

Printing color of sheathed cable	white
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	210 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	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

### Commercial data

eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 9.0	EC002587
ETIM 8.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	PL
GTIN	4055143396097
Customs tariff number	85444290900

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

### 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  
891-8993/006-201



## Documentation

### Bid Text

891-8993/006-201	19.02.2019	xml 2.92 KB	
891-8993/006-201	26.11.2014	doc 23.50 KB	

## CAD/CAE-Data

### CAE data

EPLAN Data Portal  
891-8993/006-201



WSCAD Universe  
891-8993/006-201



## 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