

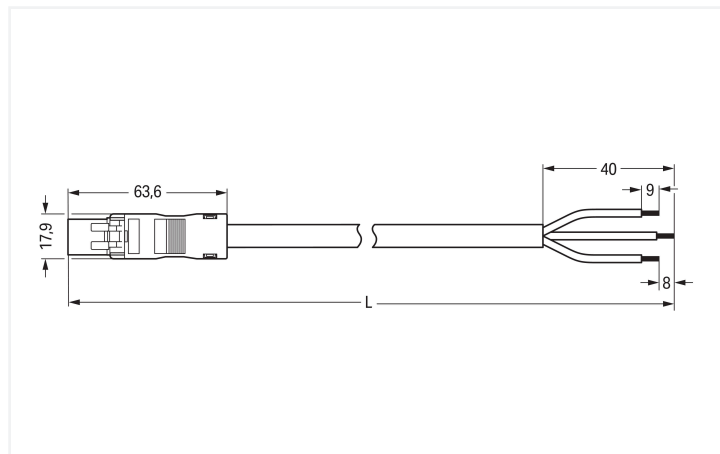
## Data Sheet | Item Number: 891-8993/206-301

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV-F  
3G 1.5 mm<sup>2</sup>; 3 m; 1,50 mm<sup>2</sup>; black

<https://www.wago.com/891-8993/206-301>



Color: ■ black



Dimensions in mm

Cable assembly *WINSTA*® MINI rated current 16 A

The *WINSTA*® MINI cable assembly with protection type IP20 supports fast, reliable installation. 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 next to no time. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The *WINSTA*® MINI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. *WINSTA*® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is very good for lights, for instance, since due to LED technology, these offer significantly less space for the connection technology. According to the European CPR, the fire class of the cables used in construction is essential for the safety of buildings, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is provided with a plug and a free end. The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose durability and quality – with marking from WAGO makes the installation of electrical components significantly easier.

- pluggable installation connectors with protection against mismatching
- consistent IP40 protection
- with A coding for a great number of uses
- custom-engineered solutions
- rapid, structured electrical installation

### 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	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
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	1.5 mm <sup>2</sup>
Strip length (outer insulation)	40 mm
Connection type	Plug - 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	3 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	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05VV-F 3G1.5
Protection type	IP20; IP40 when mated

## Plug-in connection

Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> ® 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)
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	89.925 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	301.5 g
Copper weight of the raw cable	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

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	PL
GTIN	4055143396295
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  
891-8993/206-301



Documentation

Bid Text

891-8993/206-301	19.02.2019	xml 3.01 KB	
891-8993/206-301	26.11.2014	doc 25.50 KB	

CAD/CAE-Data

CAD data

2D/3D Models  
891-8993/206-301



CAE data

EPLAN Data Portal  
891-8993/206-301



WSCAD Universe  
891-8993/206-301



ZUKEN Portal  
891-8993/206-301



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