

Data sheet | Item number: 891-8993/006-102

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A;
H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/891-8993_006-102



Item description

Cable assembly **WINSTA®** MINI with protection against mismating

Use effective pluggable connections instead of laborious screw connections: With the **WINSTA®** MINI cable assembly 3-pole. 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 seconds. The coding options reduce installation errors, allowing fast, secure wiring of all components. The **WINSTA®** MINI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. Especially if only limited space is available, our smallest pluggable connection system, **WINSTA®** MINI, conveniently displays its advantageous properties. It saves space, and, with Push-in **CAGE CLAMP®** spring pressure connection technology, it also can be installed quickly, since the installation 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 decisive for building safety as well. For houses with average 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. The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – the **WINSTA®** MINI pluggable installation connector with fire class E from WAGO makes the installation of electrical components significantly easier.

- protection against mismating eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for a great number of applications
- custom-engineered solutions
- 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

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Data Notes

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

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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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.
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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 mm ²
Connection type	Socket - Plug

Physical data

Pin spacing	4.4 mm / 0.173 inch
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Total length	1 m
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Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	L \perp N
Potential Marking	L \perp 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

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 _{ca}
Contact material	Copper or copper alloy; surface-treated
Fire load	29.603 MJ
Connector color	white
Printing color of mating face	black

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Strain relief color	white
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	No
Sheath material	PVC
Weight	106 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	4055143396769
Customs tariff number VKOrg Germany	8544429090

Approvals / Certificates

Country specific Approvals

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

Required accessories

Locking levers

Locking system

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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****Cover**

Other

**Item no.: 897-2001**

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

www.wago.com/897-2001**Mounting**

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**Downloads****Documentation****Bid Text**

891-8993/006-102 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8993/006-102 doc - Datei	2014 Nov 26	doc 23.0 kB	Download

CAD files**CAE data**

WSCAD Universe 891-8993/006-102	URL	Download
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Environmental Product Compliance

Compliance Search

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Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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