

Data sheet | Item number: 891-8994/006-101

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A;
H05VV-F 4G 1.5 mm²; 1 m; 1,50 mm²; black

www.wago.com/891-8994_006-101



Item description

Cable assembly *WINSTA*® MINI A coding

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MINI cable assembly 4-pole. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The *WINSTA*® MINI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. Thanks to its particularly minimal dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very restricted spaces, i.e., for installations when very little room is available. According to the European CPR, the fire class of the cables used for construction is critical for building safety, 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 is pre-assembled with a socket and a plug. The *WINSTA*® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Using this pre-assembled system decreases assembly times and errors during installation at the construction site. Choose quality and durability – the *WINSTA*® MINI pluggable installation connector with strain relief hosting from WAGO makes the electrical installation of electrical components visibly easier.

- pluggable installation connectors with protection against mismating
- easy tool-free operation, a wide range of coding options
- with A coding for a large number of applications
- ready for immediate use
- 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.
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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)	400 V
Rated impulse voltage (III/3)	6 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	4
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

Connection 1

Number of poles	4
Sheathed cable diameter	8.4 ... 10.5 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	N \neq 2/L 1/L'
Potential Marking	N \neq 2/L 1/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	H05VV-F 4G1.5
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	black
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy; surface-treated
Fire load	29.438 MJ
Connector color	black
Printing color of mating face	white

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Strain relief color	black
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	No
Sheath material	PVC
Weight	148.5 g
Copper weight of the pipe	0.058 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	4055143403832
Customs tariff number VKOrg Germany	85444290900

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

Counterpart

Item no.890-104

Socket; with strain relief housing; 4-pole; Cod. A; 1,50 mm²; blackwww.wago.com/890-104

Item no.890-114

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

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Plug; with strain relief housing; 4-pole; 1,50 mm ² ; black	www.wago.com/890-114
Item no.890-626 T-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; black	www.wago.com/890-626
Item no.890-627 T-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; black	www.wago.com/890-627
Item no.890-214 Plug; 4-pole; 1,50 mm ² ; black	www.wago.com/890-214
Item no.890-204 Socket; 4-pole; Cod. A; 1,50 mm ² ; black	www.wago.com/890-204
Item no.890-704 WINSTA® through-panel socket (female); MINI; snap-in; N/G/L2/L1 marking; 4-pole; black	www.wago.com/890-704
Item no.890-714 WINSTA® through-panel plug (male); MINI; snap-in; N/G/L2/L1 marking; 4-pole; black	www.wago.com/890-714
Item no.890-944 h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; black	www.wago.com/890-944
Item no.890-945 h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; black	www.wago.com/890-945
Item no.890-804 Socket for PCBs; straight; 4-pole; Cod. A; black	www.wago.com/890-804
Item no.890-804/011-000 Socket for PCBs; angled; 4-pole; Cod. A; black	www.wago.com/890-804/011-000
Item no.890-814 Plug for PCBs; straight; 4-pole; Cod. A; black	www.wago.com/890-814
Item no.890-814/011-000 Plug for PCBs; angled; 4-pole; Cod. A; black	www.wago.com/890-814/011-000

Required accessories

Locking levers

Locking system	
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

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

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Other

**Item no.: 897-2003**

Protective cap; Type2; for sockets and plugs; PVC; red

www.wago.com/897-2003

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

Item no.	Date	File name	Size	Download
891-8994/006-101	2019 Feb 19	X81 - Datei	xml 3.0 kB	Download

891-8994/006-101	2014 Dec 1	doc - Datei	doc 24.6 kB	Download
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CAD files

CAE data

WSCAD Universe 891-8994/006-101	URL	Download
WSCAD Universe 891-8994/006-101	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8994/006-101	URL	Download
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Installation Notes

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Product family

WINSTA® MINI

[Show all products from the family](#)

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