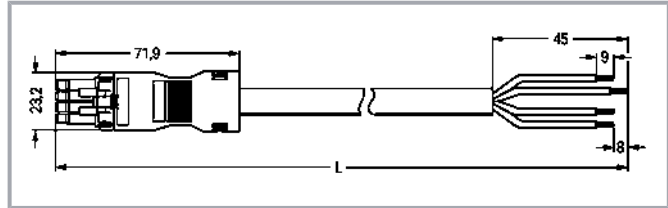


Data sheet | Item number: 891-8994/106-101

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

www.wago.com/891-8994_106-101



Item description

Cable assembly **WINSTA®** MINI with protection type IP40

Use effective pluggable connections instead of laborious screw connections: With the **WINSTA®** MINI cable assembly rated current 16 A. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different requirements in next to no time. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected against ingress by solid granular objects with a diameter below 1 mm in accordance with protection type IP40. Thanks to the color coding and mechanical A coding of **WINSTA®** MINI pluggable installation connectors, you can clearly distinguish different circuits. Especially where space is tight, our smallest pluggable connection system, **WINSTA®** MINI, consistently displays its strengths. It saves space, and, with Push-in **CAGE CLAMP®** spring pressure connection technology, it additionally can be installed quickly, since the connection is low-maintenance and can be performed without screw connections. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and a free end. The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with **WINSTA®** MINI pluggable installation connectors with marking from WAGO.

- effective protection against mismating
- compact design for conductors with a cross-section up to 1.5 mm²
- with A coding for a large number of applications
- exact dimensions
- 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)	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

Strip length	9 mm / 0.35 inch
Number of poles	4
Sheathed cable diameter	8.4 ... 10.5 mm
Wire cross-section	1.5 mm ²
Strip length (outer insulation)	45 mm
Connection type	Socket - Free end

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Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	1 m

Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N ∇ 2/L 1/L'
Potential Marking	N ∇ 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 - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05VV-F 4G1.5
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

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

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Fire load	29.679 MJ
Connector color	black
Printing color of mating face	white
Strain relief color	black
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	No
Sheath material	PVC
Weight	139.4 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	4055143403931
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

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Counterpart

Item no.890-114 Plug; with strain relief housing; 4-pole; 1,50 mm ² ; black	www.wago.com/890-114
Item no.890-214 Plug; 4-pole; 1,50 mm ² ; black	www.wago.com/890-214
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.890-714 WINSTA® through-panel plug (male); MINI; snap-in; N/G/L2/L1 marking; 4-pole; black	www.wago.com/890-714
Item no.890-814 Plug for PCBs; straight; 4-pole; Cod. A; black	www.wago.com/890-814
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.890-814/011-000 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

Other	
 Item no.: 897-2003 Protective cap; Type2; for sockets and plugs; PVC; red	www.wago.com/897-2003

Mounting

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



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
891-8994/106-101	2019 Feb 19	X81 - Datei	3.1 kB	Download

891-8994/106-101	2014 Dec 1	doc - Datei	25.1 kB	Download
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CAD files

CAE data

Item no.	File name	Size	Download
WSCAD Universe 891-8994/106-101	URL		Download
WSCAD Universe 891-8994/106-101	URL		Download

Environmental Product Compliance

Compliance Search

Item no.	File name	Size	Download
Environmental Product Compliance 891-8994/106-101	URL		Download
pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. A; H05VV-F			
4G 1.5 mm ² ; 1 m; 1,50 mm ² ; black			

Installation Notes

Product family

WINSTA® MINI
[Show all products from the family](#)

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

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