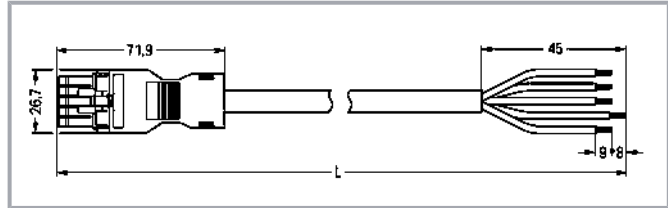# Data sheet | Item number: 891-8995/116-402

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A;
H05Z1Z1-F 5G 1.5 mm²; 4 m; 1,50 mm²; white

www.wago.com/891-8995_116-402

Item description

Cable assembly *WINSTA*® MINI with protection type IP40

The *WINSTA*® MINI cable assembly A coding supports fast, reliable installation. WAGO pluggable installation connectors are used when specifications repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector offers protection against contact with tools or wires if they are smaller than 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. *WINSTA*® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer much less space for the connection technology. According to the European CPR, the fire class of the cables used for construction is decisive for building safety as well. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials do not easily ignite.

Fast, error-free assembly thanks to cable assemblies from WAGO

The cable is pre-assembled 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. Now you can also cut installation costs without compromising quality and safety: The *WINSTA*® MINI pluggable installation connector with protection type IP40 eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- consistent IP40 protection
- with A coding for use in a large number of general mains applications
- ready for immediate use

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

- convenient installation and commissioning

Data
Notes

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

Electrical data

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

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	13 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.

Connection data

Total number of potentials	5
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	5
Sheathed cable diameter	9.3 … 11.6 mm
Wire cross-section	1.5 mm²
Strip length (outer insulation)	45 mm
Connection type	Socket - Free end

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

Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	4 m

Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N ⏚ 1 2 3
Potential Marking	N ⏚ 1 2 3
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	H05Z1Z1-F 5G1.5
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	white
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E_{ca}
Contact material	Copper or copper alloy; surface-treated
Fire load	119.684 MJ

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

Connector color	white
Printing color of mating face	black
Strain relief color	white
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Sheath material	Halogen-free
Weight	626.9 g
Copper weight of the pipe	0.072 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	4055143400169
Customs tariff number VKOrg Germany	85444290900

Approvals / Certificates

Country specific Approvals

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

Required accessories

Locking levers

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

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

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

Cover

Other

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

Downloads

Documentation

Bid Text

891-8995/116-402 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8995/116-402 doc - Datei	2014 Dec 1	doc 25.6 kB	Download

CAD files

CAE data

WSCAD Universe 891-8995/116-402	URL	Download

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8995/116-402

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05Z1Z1-
F 5G 1.5 mm²; 4 m; 1,50 mm²; white

URL   Download

Installation Notes

Product family

WINSTA® MINI
Show all products from the family

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