

Data Sheet | Item Number: 891-8985/016-701

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05Z1Z1-F
5G 1.5 mm²; 7 m; 1,50 mm²; blue

<https://www.wago.com/891-8985/016-701>



Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MINI with protection type IP20

The WINSTA® MINI cable assembly with protection type IP20 is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow fast, efficient, error-free installation in numerous possible uses. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. WINSTA® MINI pluggable installation connectors with I coding in blue are primarily suitable for lighting management, for instance for the dimming of DALI lights. WINSTA® MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is very good for lights, for example, since due to LED technology, these offer much less space for the connection technology. According to the European CPR, the fire class of the cables used in construction is critical for building safety as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. Eliminating halogens as an additive in the manufacture of this cable assembly noticeably increases fire safety and reduces environmental contamination.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – with protection type IP20 from WAGO makes the electrical installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- for lighting management
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

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	400 V	-	-
Rated impulse withstand voltage	6 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	5
PE function	Preceding PE contact

Connection 1

Pole number	5
Wire cross-section	1.5 mm ²
Connection type	Socket - Plug

Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	26.7 mm / 1.051 inches
Height	15.8 mm / 0.622 inches
Total length	7 m

Mechanical data

Use	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	N ⊕ L - +
Potential marking	N ⊕ 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	H05Z1Z1-F 5G1.5
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)	Information on material specifications can be found here
Color	blue
Insulation material (main housing)	Polyamide (PA66)
Fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	209.881 MJ
Connector color	blue
Strain relief color	black
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	1101.3 g
Copper weight of the raw cable	0.072 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	4055143399234
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
------------------------	-------------------------

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8985/016-701	↓
--	---

Documentation

Bid Text

891-8985/016-701	19.02.2019	xml 2.98 KB	↓
891-8985/016-701	01.12.2014	doc 25.00 KB	↓

CAD/CAE-Data

CAE data

WSCAD Universe 891-8985/016-701	↓
------------------------------------	---

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.: 897-2003

Protective cap; Type2; 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