Data Sheet | Item Number: 771-9985/017-401

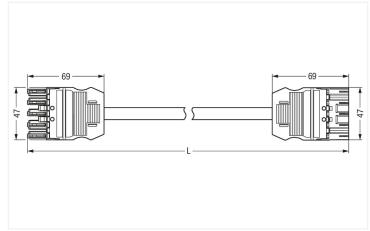
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05Z1Z1-F

5G 2.5 mm²; 4 m; 2,50 mm²; blue

https://www.wago.com/771-9985/017-401







Dimensions in mm

Cable assembly WINSTA® MIDI rated current 20 A

The WINSTA® MIDI cable assembly rated current 20 A provides the foundation for assembly of fine-stranded and solid conductors. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to an enormous variety of requirements in no time flat. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Controlled lighting, as implemented in the DALI standard, for instance, is the main application of WINSTA® MIDI pluggable installation connectors with I coding. This pluggable installation connector can be used for a current load of up to 20 A. Thus, it can also be used for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, flexible, and secure electrical installation. This product meets all the mandatory fire protection requirements of fire class E; thus it can be used in domains where fire safety is relevant. Not using halogen additives in the production of this cable assembly substantially improves fire safety and minimises environmental contamination.

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

A socket and a plug are provided. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Now you can also reduce installation costs without compromising safety and quality: with strain relief hosting reduces the need for servicing and prevents unnecessary downtime.

- · pluggable installation connectors with protection against mismating
- simple circuits
- · with I coding for use in building automation (lighting control)
- · 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	General information	
Overvoltage category	III	III	II	Note on contact resistance	approx. 1 m Ω of contact resistance
Pollution degree	3	2	2		approx. $0.25~\text{m}\Omega$ contact transition plug/socket
Nominal voltage	400 V	-	-		000.00
Rated surge voltage	6 kV	-	-		
Rated current	20 A	-	-		

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Physical data
Pin spacing

Unmating force of a plug-in connection

Number of mating cycles

Type of pre-assembled cable

Connection type

Protection type

Cable type



Socket - Plug

Connection data			
Total number of potentials	5	Connection 1	
PE function	Preceding PE contact	Pole number	5
		Sheathed cable diameter	11.2 13.9 mm
		Wire cross-section	2.5 mm²

Connection type

10 mm / 0.394 inches

200, without resistive load

Interconnecting cable

easily accessible areas!)

H05Z1Z1-F 5G2.5

Socket - Plug

when unlocked: approx. 20 ... 70 N (depending on pole number)

IP20; When mated: IP2xC (These compact connectors are not designed for use in open,

, ,	
Width	47 mm / 1.85 inches
Height	15.38 mm / 0.606 inches
Total length	4 m
Mechanical data	
Use	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	N LDA-DA+
Potential marking	N LDA-DA+
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

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
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)	
	<u>Information on material specifications can be found here</u>
Color	blue
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire class per EN 50575	E_ca
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	120.416 MJ
Connector color	blue
Strain relief color	black

Data Sheet | Item Number: 771-9985/017-401 https://www.wago.com/771-9985/017-401

Approvals / Certificates



	·	
Material data		
Printing color of strain relief	white	
Sheathed cable color	black	
Printing color of sheathed cable	white	
Halogen-free	Yes	
Silicon-free	Yes	
Sheath material	Halogen-free	
Rubber cable	No	
Weight	968.2 g	
Copper weight of the pipe	0.12 kg/m	

Environmental requirements	
Processing temperature	-5 +40 °C
Continuous operating temperature	-35 +85 °C
Note on continuous operating temperature	Cable for temperatures \leq 70 °C (including halogen-free) Insulating parts for temperatures \leq 105 °C

Commercial data	
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 8.0	EC002587
ETIM 7.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4045454404772
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

General approvals			Declarations of conformity and manufacturer's declarations		
CCA KEMA			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Conformity	-	-
CCA	EN 61535	NTR NL-7972	WAGO GmbH & Co. KG		
DEKRA Certification B.V.			UK-Declaration of Confor-	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834	mity WAGO GmbH & Co. KG		

Data Sheet | Item Number: 771-9985/017-401

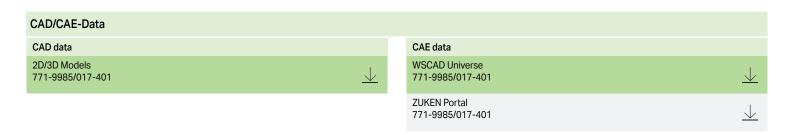
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Compliance 771-9985/017-401

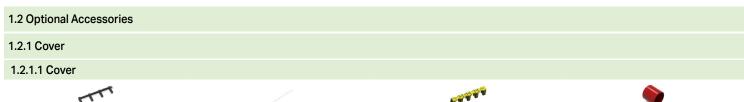


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Item No.: 770-201

Lockout cap; 12-pole, separable; for sockets: Plastic; black

Item No.: 770-221

Lockout cap; 12-pole, separable; for sockets; Plastic; white

Item No.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

Item No.: 897-2005

Protective cap; Type4; for sockets and plugs; PVC; red

Data Sheet | Item Number: 771-9985/017-401

https://www.wago.com/771-9985/017-401



1.2.2 Installation

1.2.2.1 Mounting accessories



<u>Item No.: 770-310</u>

Mounting carrier; 2- to 5-pole; for flying leads; black

1.2.3 Marking

1.2.3.1 Marker









Item No.: 770-450/000-006

Marker card; Plastic; blue

Item No.: 770-450/000-001 Marker card; Plastic; green Item No.: 770-450/000-012 Marker card; Plastic; orange <u>Item No.: 770-450/000-005</u> Marker card; Plastic; red

F

<u>Item No.: 770-450</u> Marker card; Plastic; white Item No.: 770-450/000-002 Marker card; Plastic; yellow

1.2.3.2 Marking strip



Item No.: 210-334

Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white

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

Current addresses can be found at:: $\underline{www.wago.com}$

Page 5/5 Version 12.07.2024