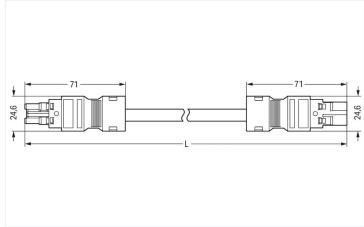
pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. I; H05Z1Z1-F

2 x 1,50 mm²; 5 m; 1,50 mm²; blue

https://www.wago.com/771-8982/016-501







Dimensions in mm

Cable assembly WINSTA® MIDI with strain relief

The WINSTA® MIDI cable assembly with protection against mismating is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors can be used when specifications repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. The pluggable installation connector offers touch-proof protection with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). WINSTA® MIDI pluggable installation connectors with I coding in blue are especially suitable for intelligent, for example for the dimming of DALI lights. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used 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; as a result it can be used in areas where fire safety is relevant. Not using halogen additives in the production of this cable assembly noticeably improves fire safety and reduces environmental contamination.

Fast, secure pluggable connections - cable assemblies from WAGO

A socket and a plug are provided. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also lower installation expenses without compromising quality and safety: The WINSTA® MIDI pluggable installation connector with fire class E eliminates the need for servicing and prevents unnecessary downtime.

- · pluggable installation connectors with protection against mismating
- for automation controllers
- · for intelligent, easy lighting installation
- · custom-engineered solutions
- 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	Ratings per UL 1977	
Overvoltage category	III	III	II	Note for the US market	Some versions may also be used for cur-
Pollution degree	3	2	2		rent interruption in accordance with the UL certificate in select applications with
Nominal voltage	250 V	-	-		currents below 16 A and voltages up to
Rated surge voltage	4 kV	-	-		600 V. For further information, please contact your local sales office.
Rated current	16 A	-	-		contact your local calco office.

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Socket - Plug

General information

Note on contact resistance ap

approx. 1 m Ω of contact resistance approx. 0.25 m Ω contact transition plug/

Connection data			
Total number of potentials	2	Connection 1	
		Pole number	2
		Sheathed cable diameter	6.8 8.6 mm
		Wire cross-section	1.5 mm²

Connection type

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	24.6 mm / 0.969 inches
Height	15.9 mm / 0.626 inches
Total length	5 m

Mechanical data	
Application	DALI, Lighting Management
Coding	1
Variable coding	No
Marking	DA+ DA-
Potential marking	DA+ 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
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 2x1.5
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

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).

Data Sheet | Item Number: 771-8982/016-501 https://www.wago.com/771-8982/016-501



Material data	
Note (material data)	Information on material specifications can be found here
Color	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Fire class per EN 50575	E_ca
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	149.54 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	414.2 g
Copper weight of the pipe	0.029 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	
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	4055143293297
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals:	/ Certificates
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General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7355
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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Environmental Product Compliance 771-8982/016-501

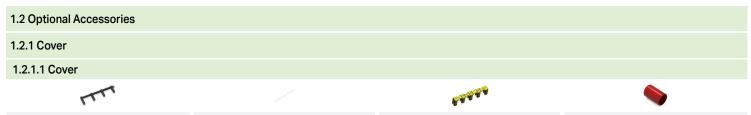


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CAD/CAE-Data CAE data WSCAD Universe 771-8982/016-501





Item No.: 770-201 Item No.: 770-221 Lockout cap; 12-pole, separable; for sockets; Plastic; black

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

Item No.: 770-360 Lockout cap; for plugs; 5-pole; separable; yellow

Item No.: 897-2003 Protective cap; Type2; for sockets and plugs; PVC; red

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1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 770-310 Mounting carrier; 2- to 5-pole; for flying leads; black

1.2.3 Marking

1.2.3.1 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!