#### Data Sheet | Item Number: 771-9993/016-401

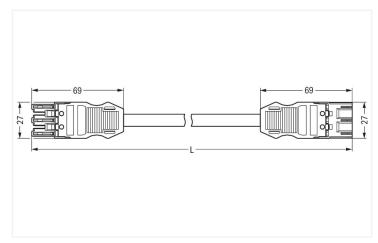
 $pre-assembled\ interconnecting\ cable;\ Eca;\ Socket/plug;\ 3-pole;\ Cod.\ A;\ H05Z1Z1-F$ 

3G 1.5 mm<sup>2</sup>; 4 m; 1,50 mm<sup>2</sup>; black

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Color: ■ black Dimensions in mm

Cable assembly WINSTA® MIDI rated current 16 A

The WINSTA® MIDI cable assembly with protection type IP20 is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in next to no time. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector offers protection against contact 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!)). General mains applications for almost any domain of use can be realised with WINSTA® MIDI pluggable installation connectors with A coding. The WINSTA® MIDI product line allows total flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees error-free, time-saving installation and offers flexibility and customization for meeting various installation requirements. This product meets all the relevant fire protection requirements of fire class E; as a result it can be used in domains where fire safety is relevant. In the production of this cable assembly, halogens were deliberately omitted. That is an important contribution to environmental protection.

Fast, secure pluggable connections - cable assemblies from WAGO

A socket and a plug are available. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Now you can also cut installation costs without compromising safety and quality: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- · effective protection against mismating
- for automation controllers
- · with A coding for use in many general mains applications
- custom-engineered solutions
- · fast, secure installation

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 $\Omega$ of contact resistance
Pollution degree	3	2	2		approx. $0.25  \text{m}\Omega$ contact transition plug/ socket
Nominal voltage	250 V	-	-		000.101
Rated surge voltage	4 kV	-	-		
Rated current	16 A	-	-		

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Physical data

Retention force of a plug-in connection

Unmating force of a plug-in connection



Socket - Plug

Connection data			
Total number of potentials	3	Connection 1	
PE function P	Preceding PE contact	Pole number	3
		Sheathed cable diameter	7.4 9.4 mm
		Wire cross-section	1.5 mm²

Connection type

Pin spacing	10 mm / 0.394 inches
Width	27 mm / 1.063 inches
Height	12.9 mm / 0.508 inches
Total length	4 m
Mechanical data	
Use	General mains applications
Coding	A
Variable coding	Yes
Marking	L N
Potential marking	L N
Mating force of a plug-in connection	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

when locked: > 80N

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

Cable type H05Z1Z1-F 3G1.5

Protection type IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

#### Plug-in connection Mismating protection 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 Can be retrofitted Locking lever 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	black
Insulation material (main housing)	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	119.477 MJ
Connector color	black
Strain relief color	black
Printing color of strain relief	white

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Material data	
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	411.7 g
Copper weight of the pipe	0.043 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	4044918585545
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

# Approvals / Certificates

# General approvals

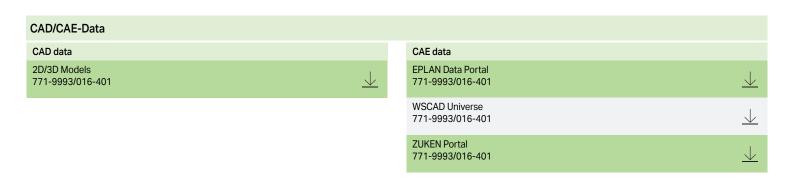


Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7355
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834



# Downloads Environmental Product Compliance Compliance Search Environmental Product Compliance 771-9993/016-401

Documentation			
Bid Text			
771-9993/016-401	19.02.2019	xml 2.93 KB	$\underline{\downarrow}$
771-9993/016-401	04.12.2014	doc 25.00 KB	$\underline{\downarrow}$
ausschreiben.de 771-9993/016-401			$\underline{\downarrow}$





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#### 1.2 Optional Accessories

#### 1.2.1 Cover

#### 1.2.1.1 Cover



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

F8888

Item No.: 770-360

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

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.: 770-310

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

#### 1.2.3 Marking

#### 1.2.3.1 Marker



Item No.: 770-450/000-001 Marker card; Plastic; green





Item No.: 770-450

Marker card; Plastic; white

Item No.: 770-450/000-006

Marker card; Plastic; blue



Item No.: 770-450/000-002 Marker card; Plastic; yellow

Item No.: 770-450/000-012 Marker card; Plastic; orange



Item No.: 770-450/000-005

Marker card; Plastic; red

#### 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:: www.wago.com

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