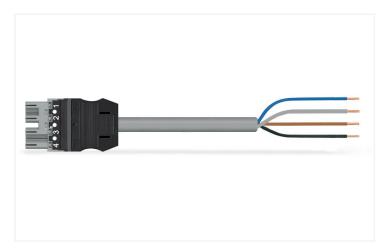
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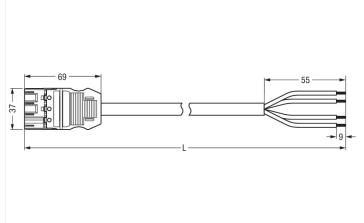
pre-assembled connecting cable; B2ca; Plug/open-ended; 4-pole; Cod. B;

H05Z1Z1-F 4 x 1.0 mm²; 4 m; 1,00 mm²

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Dimensions in mm

Cable assembly WINSTA® MIDI with protection against mismating

The WINSTA® MIDI cable assembly with protection against mismating supports rapid, correct installation. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow flexible, error-free installation in a large number of applications. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with electrified contact elements. B coding enables the WINSTA® MIDI pluggable installation connectors to be used for control in applications in the domains of automation, mechanical engineering and robotics. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy, flexible, and secure installation. Mandatory compliance with fire protection regulations is an essential issue for building installation. Especially in sensitive areas, the fire class must meet or even exceed extensive requirements. This product complies with the requirements of fire class B2. In the production of this cable assembly, we eliminated the use of halogen. This is an important contribution to environmental protection.

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

A plug and a free end are available. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – the WINSTA® MIDI pluggable installation connector with marking from WAGO makes the electrical installation of electrical components significantly easier.

- · protection against mismating eliminates errors
- pre-assembled versions
- with B coding for controllers, for example sun blinds and lighting fixtures
- ready to install and use immediately
- · fast, secure installation

Notes	
Note	Cables with a different fire class can be found in the eShop.
Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.



Electrical data				
Ratings per	IEC	/EN 60664	-1	
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	10 A	-	-	

Ratings per UL 1977	
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 16 A and voltages up to 600 V. For further information, please contact your local sales office.

General information	
Note on contact resistance	approx. 1 m Ω of contact resistance approx. 0.25 m Ω contact transition plug/ socket

Connection data			
Total number of potentials	4	Connection 1	
Conductor preparation	ultrasonically tip-bonded	Strip length	9 mm / 0.35 inches
	Pole number	4	
	Sheathed cable diameter	7.1 9 mm	
	Wire cross-section	1 mm²	
	Strip length (outer insulation)	55 mm	
		Connection type	Plug - free end

Physical data		
Pin spacing	10 mm / 0.394 inches	
Width	37 mm / 1.457 inches	
Total length	4 m	

Mechanical data	
Application	Control technology
Coding	В
Variable coding	Yes
Marking	1234
Potential marking	1234
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	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 4x1
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

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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).

M. C.L.	
Material data	
Note (material data)	Information on material specifications can be found here
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Fire class per EN 50575	B2 _{ca}
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.474 MJ
Connector color	gray
Strain relief color	black
Printing color of strain relief	white
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	375.6 g
Copper weight of the pipe	0.0384 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	
ETIM 8.0	EC002587
ETIM 7.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4055143801263
Customs tariff number	85444290900

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Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 771-9294/215-403



CAD/CAE-Data

CAE data

EPLAN Data Portal 771-9294/215-403



1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

Item No.: 770-101

operation; black

1.1.1.1 Locking system



Locking lever; for flying leads; for manual

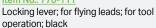


Locking lever; for flying leads; for manual

Item No.: 770-121

operation; white







Locking lever; for flying leads; for tool operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-360

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

1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 770-310

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

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1.2.3 Marking

1.2.3.1 Marker

Item No.: 770-450









Item No.: 770-450/000-006 Marker card; Plastic; blue

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

Item No.: 770-450/000-002

Marker card; Plastic; yellow

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





1.2.3.2 Marking strip

Marker card; Plastic; white



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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