#### Data Sheet | Item Number: 771-9993/106-305

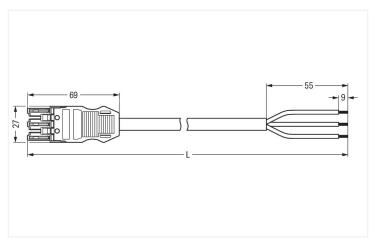
pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; H05VV-

F 3 x 1.5 mm<sup>2</sup>; 3 m; 1,50 mm<sup>2</sup>; light green

https://www.wago.com/771-9993/106-305







Dimensions in mm

Color: Iight green

#### Cable assembly WINSTA® MIDI rated current 16 A

The WINSTA® MIDI cable assembly B coding is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors are used when requirements repeat or are distributed on a defined pattern, for example for installing grid lighting or flushmount lighting. For greater security in electrical installations, the pluggable installation connector is provided 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!)). Pluggable installation connectors with B coding from the WINSTA® MIDI line are available in pink, light green, or gray, allowing you to distinguish different circuits, for example for light, pumps or, sun blinds. Usage-specific pole marking is possible in addition. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Thanks to the included test slot, it is possible to check connections even when they are plugged in. This saves time, labor, and money. This product meets all the mandatory safety requirements of fire class E; as a result it can be used in areas where fire safety is relevant.

Fast, secure pluggable connections - cable assemblies from WAGO

The cable assembly is equipped with a socket and a free end. The WINSTA® Pluggable Connection System is ideally tailored to the 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. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pluggable installation connectors with strain relief hosting from WAGO.

- · effective protection against mismating
- for automation controllers
- with B coding for controllers such as sun blinds and lighting fixtures
- · custom-engineered solutions
- convenient installation and commissioning

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	250 V	-	-	
Rated surge voltage	4 kV	-	-	
Rated current	16 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 $\Omega$ of contact resistance approx. 0.25 m $\Omega$ contact transition plug/ socket

Connection data			
Total number of potentials	3	Connection 1	
Conductor preparation ultrasonically tip-bonded	Strip length	9 mm / 0.35 inches	
	Pole number	3	
	Sheathed cable diameter	7.4 9.4 mm	
	Wire cross-section	1.5 mm <sup>2</sup>	
	Strip length (outer insulation)	55 mm	
		Connection type	Socket - free end

Physical data		
Pin spacing	10 mm / 0.394 inches	
Width	27 mm / 1.063 inches	
Total length	3 m	

Mechanical data	
Application	Control technology
Coding	В
Variable coding	Yes
Marking	123
Potential marking	123
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 - free end
Type of pre-assembled cable	Connecting cable
Cable type	Control line 3 x 1.5
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).

Material data	
Note (material data)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	light green
Insulation material	Polyamide (PA66)
Fire class per EN 50575	$E_ca$
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.29 MJ
Connector color	light green
Strain relief color	black
Printing color of strain relief	white
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	306.8 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	4055143459570
Customs tariff number	85444290900

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## **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
771-9993/106-305

# Documentation

Documentation			
Bid Text			
771-9993/106-305	19.02.2019	xml 3.01 KB	$\overline{\downarrow}$
771-9993/106-305	02.06.2015	doc 27.50 KB	$\underline{\downarrow}$

# CAD/CAE-Data

CAE data	
EPLAN Data Portal 771-9993/106-305	$\underline{\downarrow}$

# Data Sheet | Item Number: 771-9993/106-305

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#### 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 operation; white



Item No.: 770-111 Locking lever; for flying leads; for tool operation; black



Item No.: 770-131 Locking lever; for flying leads; for tool operation; white

## 1.2 Optional Accessories

#### 1.2.1 Cover

#### 1.2.1.1 Cover



Item No.: 770-201

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

# Item No.: 770-221

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



Item No.: 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.: 770-450/000-006

Marker card; Plastic; blue

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

97

Item No.: 770-450

Marker card; Plastic; white

F

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::  $\underline{www.wago.com}$ 

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