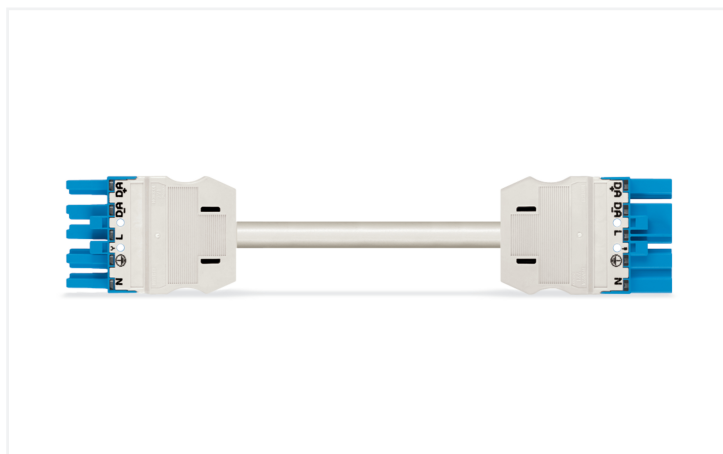


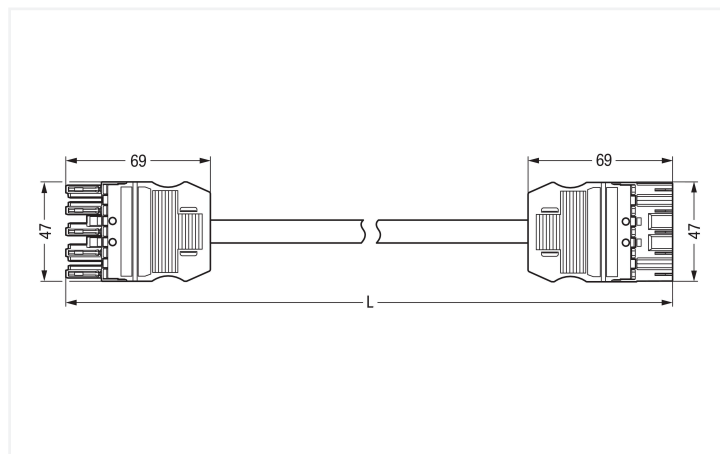
Data Sheet | Item Number: 771-9985/007-302

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 2.5 mm²; 3 m; 2,50 mm²; blue

<https://www.wago.com/771-9985/007-302>



Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI with protection against mismating

The WINSTA® MIDI cable assembly with protection against mismating provides the foundation for installation of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology function without screw connections. They allow fast, efficient, error-free installation in a large number of possible uses. For greater protection 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!)). This means that users' fingers will never come into contact with live elements. I coding in blue is used to identify WINSTA® MIDI pluggable installation connectors, which are used primarily in automation of buildings for controlling lighting. This pluggable installation connector can be used for a voltage 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 can be found in a variety of projects you can use for quick, easy, flexible, and secure installation. According to the European CPR, the fire class of the cables used in construction is essential for the safety of buildings, too. For buildings with average safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

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

- protection against mismating eliminates errors
- for automation controllers
- with I coding for lighting control (DALI standard)
- flexible installation to save space
- quick replacement of defective units during ongoing operation

Notes

General safety information

1. Only to be used by a qualified electrician or by a person electrically instructed for the task (EIP per DIN VDE 0105-100).
2. Do not install while energized or under load.
3. Use only for its intended purpose.
4. Observe applicable national regulations, standards and directives.
5. Observe the technical specifications of the products.
6. Ensure correct polarity assignment.
7. Do not use damaged or contaminated components.
8. Observe conductor types, conductor cross-sections, strip lengths and cable diameters.
9. Insert conductors up to the stop.
10. Use only with locking lever and strain relief.
11. Use original accessories only.

To be sold only with installation instructions!

Note

Cables with a different fire class can be found in the eShop.



Electrical data			
Ratings per		IEC/EN 60664-1	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand voltage	6 kV	-	-
Rated current	20 A	-	-

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

Connection Data	
Total number of potentials	5
PE function	Preceding PE contact
Connection type	Socket - Plug

Connection 1	
Pole number	5
Wire cross-section	2.5 mm²
Connection type	Socket
Coding	I

Connection 2	
Sheathed cable diameter	11.2 ... 13.9 mm
Connection type	Plug

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	47 mm / 1.85 inches
Height	15.38 mm / 0.606 inches
Total length	3 m

Mechanical data	
Use	DALI, Lighting Management
Variable coding	No
Marking	N ⊕ L DA- DA+
Potential marking	N ⊕ L 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	H05VV-F 5G2.5
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).

Material data

Note (material data)	Information on material specifications can be found here
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	90.162 MJ
Connector color	blue
Strain relief color	white
Printing color of strain relief	black
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	765.3 g
Copper weight of the raw cable	0.12 kg/m

Environmental requirements

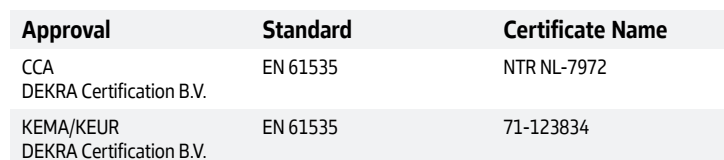
Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	PL
GTIN	4045454818173
Customs tariff number	85444290900

RoHS Compliance Status	Compliant, No Exemption
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General approvals	Declarations of conformity and manufacturer's declarations
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Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Environmental Product Compliance

Environmental Product
Compliance
771-9985/007-302

Bid Text	
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4	4.00
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CAD/CAE-Data	
CAD data 2D/3D Models 771-9985/007-302 ↓	CAE data WSCAD Universe 771-9985/007-302 ↓
	ZUKEN Portal 771-9985/007-302 ↓

1 Compatible Products
1.1 Required Accessories
1.1.1 Locking system
1.1.1.1 Locking system

			
Item No.: 770-101 Locking lever; for flying leads; for manual operation; black	Item No.: 770-121 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.: 770-360 Lockout cap; for plugs; 5-pole; separable; yellow	Item No.: 897-2005 Protective cap; Type4; 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	Item No.: 770-450/000-001 Marker card; Plastic; green	Item No.: 770-450/000-012 Marker card; Plastic; orange	Item No.: 770-450/000-005 Marker card; Plastic; red
			
Item No.: 770-450 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