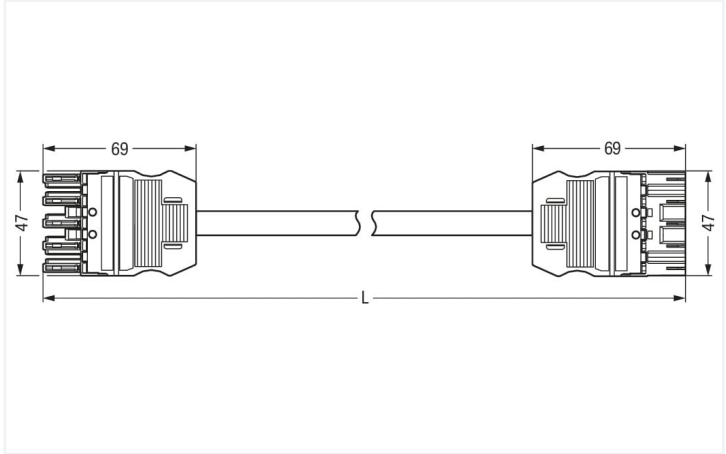




Color: ■ red



Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly 5-pole supports rapid, correct installation. 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 seconds. For greater security 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 P coding are used for applications involving uninterruptible power supplies. This pluggable installation connector can be employed for a load of up to 20 A. Therefore, it can also be used for high power loads. 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 and maximally flexible electrical installation. According to the European CPR, the fire class of the cables used for construction is decisive for building safety, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. In the production of this cable assembly, we eliminated the use of halogen. This is an important contribution to climate protection.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Using this pre-assembled system reduces assembly times 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 with marking from WAGO.

- pluggable installation connectors with protection against mismating
- pre-assembled versions
- for UPS applications
- ready to install and use immediately
- convenient installation and commissioning

Notes		
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 surge 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	Connection 1 <table><tr><td>Pole number</td><td>5</td></tr><tr><td>Sheathed cable diameter</td><td>11.2 ... 13.9 mm</td></tr><tr><td>Wire cross-section</td><td>2.5 mm²</td></tr><tr><td>Connection type</td><td>Socket - Plug</td></tr></table>	Pole number	5	Sheathed cable diameter	11.2 ... 13.9 mm	Wire cross-section	2.5 mm²	Connection type	Socket - Plug
Pole number	5									
Sheathed cable diameter	11.2 ... 13.9 mm									
Wire cross-section	2.5 mm²									
Connection type	Socket - Plug									
PE function	Preceding PE contact									
Physical data										
Pin spacing	10 mm / 0.394 inches									
Width	47 mm / 1.85 inches									
Height	15.38 mm / 0.606 inches									
Total length	1 m									
Mechanical data										
Use	EDV (UPS)									
Coding	P									
Variable coding	No									
Marking	N L1 L2 L3									
Potential marking	N L1 L2 L3									
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 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	red									
Insulation material (main housing)	Polyamide (PA66)									
Fire class per EN 50575	E _{ca}									
Contact material	Copper or copper alloy; surface-treated									
Contact Plating	Tin									
Fire load	30.268 MJ									
Connector color	red									
Strain relief color	black									
Printing color of strain relief	white									



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		270.2 g
Copper weight of the pipe		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		
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
GTIN		4045454433123

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
CCA KEMA KEUR			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7972	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834			



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance			↓
771-9975/017-101			

Documentation

Bid Text			
771-9975/017-101	19.02.2019	xml 2.93 KB	↓
771-9975/017-101	10.12.2014	doc 26.00 KB	↓

CAD/CAE-Data

CAE data	
WSCAD Universe	↓
771-9975/017-101	

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