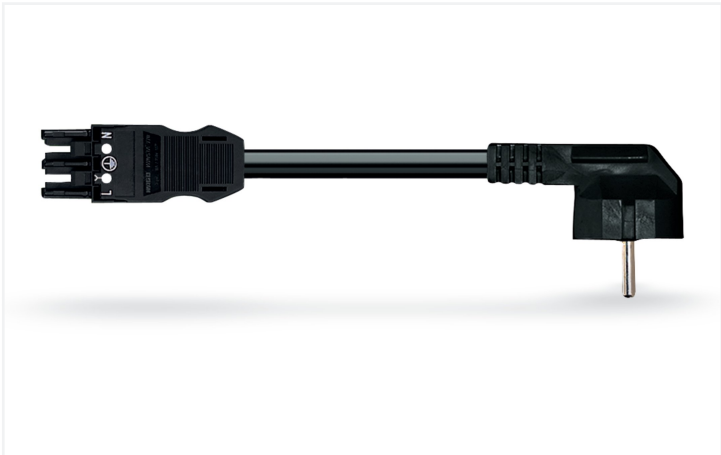
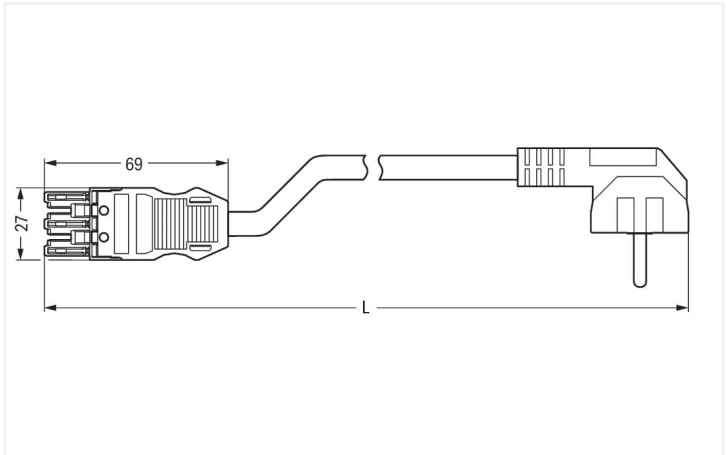




Color: white

Similar to illustration



Dimensions in mm

Cable assembly *WINSTA*® MIDI rated current 20 A

The *WINSTA*® MIDI cable assembly with protection against mismatching is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors can be used when requirements repeat or are distributed on a defined pattern, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Standard mains applications for almost any domain of use can be realised with *WINSTA*® MIDI pluggable installation connectors with A coding. This pluggable installation connector can be used for electrical currents up to 20 A. Thus the product is ideally suitable 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, secure, tailored electrical installation. According to the European CPR, the fire class of the cables used for construction is essential for the safety of buildings, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a socket and schuko plug, angled. *WINSTA*® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – with marking from WAGO makes the installation of electrical components significantly easier.

- effective protection against mismatching
- for automation controllers
- with A coding for a great number of applications
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

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

Electrical data					General information	
Ratings per		IEC/EN 60664-1			Note on contact resistance	
Overvoltage category	III	III	II		approx. 1 mΩ of contact resistance	
Pollution degree	3	2	2		approx. 0.25 mΩ contact transition plug/ socket	
Nominal voltage	250 V	-	-			
Rated surge voltage	4 kV	-	-			
Rated current	20 A	-	-			



Connection data			
Total number of potentials	3	Connection 1	
PE function	Preceding PE contact		
		Pole number	3
		Wire cross-section	2.5 mm²
		Connection type	Socket - SCHUKO plug, angled
Physical data			
Pin spacing	10 mm / 0.394 inches		
Width	36.5 mm / 1.437 inches		
Height	56 mm / 2.205 inches		
Total length	1 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)		
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 - SCHUKO plug, angled		
Type of pre-assembled cable	Adapter cable		
Cable type	H05VV-F 3G2.5		
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	white		
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	0.285 MJ		
Connector color	white		
Strain relief color	white		
Printing color of strain relief	black		
Sheathed cable color	white		



Material data	
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	233.5 g
Copper weight of the pipe	0.072 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 9.0	EC002587
ETIM 8.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4055143299091
Customs tariff number	85444290900

Environmental Product Compliance	
CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	7f2a26c9-2884-4a0c-9789-3db406b8b6f9
SCIP notification number (Belgium)	330a7f9f-b85d-4dac-acd0-ddc061578e6d
SCIP notification number (Bulgaria)	643fce9e-a1fb-4cab-8243-7b083700bba8
SCIP notification number (Czech Republic)	af37d962-19c1-4b00-af9a-e0f0a426c0d4
SCIP notification number (Denmark)	3058aea7-1237-402a-95dc-4022665dd2d7
SCIP notification number (Finland)	17b013f3-ce34-49b5-8ceb-75453010eefe
SCIP notification number (France)	a1cca168-fc40-41a5-87bd-1f5725c7f5a9
SCIP notification number (Germany)	88c69313-eb39-4d47-91e8-486f4d4eaf80
SCIP notification number (Hungary)	c742734b-01c1-4efb-ae0f-de6a03e67a2a
SCIP notification number (Italy)	4ae62460-2fb3-4b16-b919-a240d7b0257e
SCIP notification number (Netherlands)	02c3dedc-4ccd-462f-ad05-ef4af15b8d52
SCIP notification number (Poland)	e2872f58-f96a-498a-b6ab-b5b2094bcae8
SCIP notification number (Romania)	cb305aad-2265-416f-b7e1-1711e6e6216f
SCIP notification number (Sweden)	01ea5c1e-fde9-4595-b6d1-87c3c8635f53



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7972
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 771-9993/307-102



Documentation

Bid Text
771-9993/307-102
19.02.2019
xml 2.96 KB
771-9993/307-102
19.02.2015
doc 23.00 KB



CAD/CAE-Data

CAE data
EPLAN Data Portal 771-9993/307-102



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.: 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



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