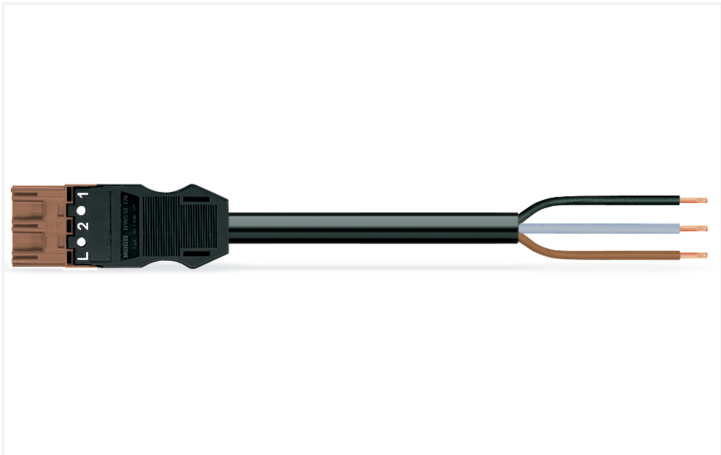
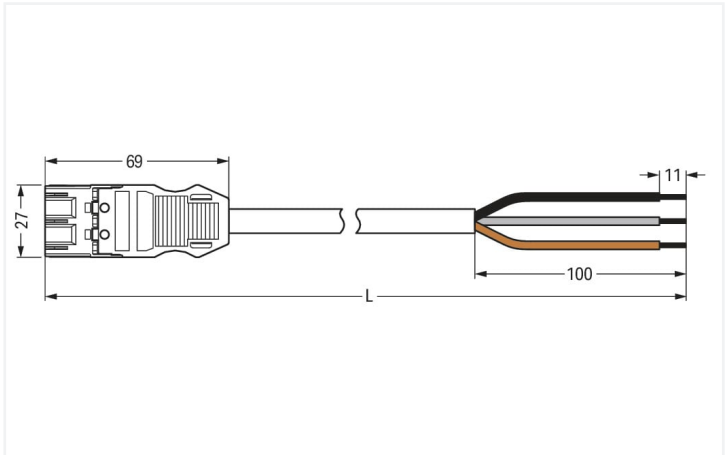




Color: ■ brown



Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly with protection against mismatching. The pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow fast, efficient, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. 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!)). The S coding in brown identifies pluggable installation connectors of the WINSTA® MIDI product line, which are appropriate for installation in AC applications. The WINSTA® MIDI product line guarantees flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it achieves time-saving, error-free installation and offers flexibility for meeting all installation requirements. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E. Not using halogen additives in the manufacture of this cable assembly significantly improves fire safety and reduces environmental pollution.

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

The cable assembly is provided with a plug and a free end. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Now you can also reduce installation expenses without compromising safety and quality: with fire class E eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- pre-assembled versions
- for AC applications
- exact dimensions
- 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	16 A	-	-	-		



Connection data			
Total number of potentials	3	Connection 1	
Conductor preparation	ultrasonically tip-bonded	Strip length	11 mm / 0.43 inches
		Pole number	3
		Wire cross-section	1.5 mm²
		Strip length (outer insulation)	100 mm
		Connection type	Plug - free end

Physical data		
Pin spacing		10 mm / 0.394 inches
Width		27 mm / 1.063 inches
Height		12.9 mm / 0.508 inches
Total length		8 m

Mechanical data		
Use		Switching function
Coding		S
Variable coding		No
Marking		1 2 L
Potential marking		1 2 L
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 3x1.5
Protection type		IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Suitable		for distribution connectors; series and two-way circuits

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	brown	
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	239.588 MJ	
Connector color	brown	
Strain relief color	black	
Printing color of strain relief	white	
Sheathed cable color	black	
Printing color of sheathed cable	white	
Halogen-free	Yes	
Silicon-free	Yes	
Sheath material	Halogen-free	
Rubber cable	No	
Weight	789.6 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 9.0	EC002587	
ETIM 8.0	EC002587	
PU (SPU)	1 pcs	
Packaging type	unpacked	
Country of origin	DE	
GTIN	4050821311058	
Customs tariff number	85444290900	

Environmental Product Compliance		
RoHS Compliance Status	Compliant, No Exemption	

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
 			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-7355	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
771-9973/216-805

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Documentation

Bid Text

771-9973/216-805	19.02.2019	xml 3.09 KB	↓
771-9973/216-805	13.08.2018	doc 26.00 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
771-9973/216-805

↓

CAE data

WSCAD Universe
771-9973/216-805

↓

ZUKEN Portal
771-9973/216-805

↓

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.: [770-360](#)
Lockout cap; for plugs; 5-pole; separable; yellow



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