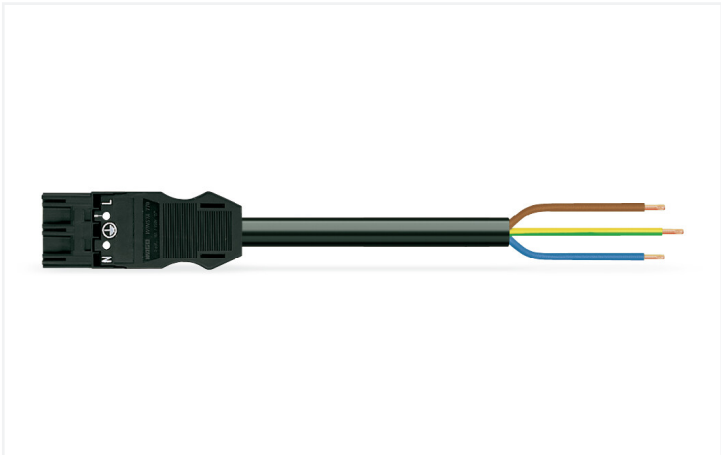
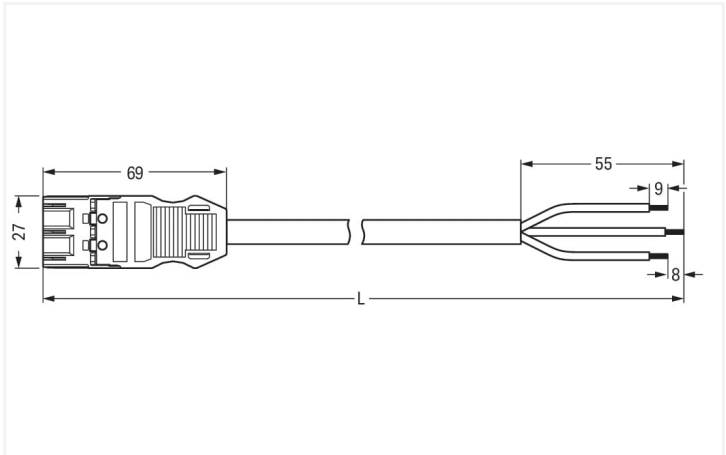




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 20 A

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 work entirely without screw connections. They allow flexible, error-free installation in a large number of possible uses. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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!)). 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 is used for electrical currents up to 20 A. Thus the product is also suitable for high power loads. Our WINSTA® MIDI product line guarantees flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers flexibility for meeting various installation requirements. According to the European CPR, the fire class of the cables used in construction is essential for building safety, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A plug and a free end are provided. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Choose durability and quality – with protection against mismatching from WAGO makes the electrical installation of electrical components significantly easier.

- protection against mismatching eliminates errors
- simple circuits
- with A coding for use in many general mains applications
- ready to install and use immediately
- fast, secure installation

| 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      | Strip length                    | 9 mm / 0.35 inches |
| Conductor preparation      | ultrasonically tip-bonded | Pole number                     | 3                  |
|                            |                           | Sheathed cable diameter         | 9.2 ... 11.4 mm    |
|                            |                           | Wire cross-section              | 2.5 mm²            |
|                            |                           | Strip length (outer insulation) | 55 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                                     |  | 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                         |  | Plug - free end                                                                                               |  |
| Type of pre-assembled cable             |  | Connecting 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:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>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="#">Information on material specifications can be found here</a> |
| Color                              | black                                   |                                                                          |
| Insulation material (main housing) | Polyamide (PA66)                        |                                                                          |
| Fire class per EN 50575            | E <sub>ca</sub>                         |                                                                          |
| Contact material                   | Copper or copper alloy; surface-treated |                                                                          |
| Contact Plating                    | Tin                                     |                                                                          |
| Fire load                          | 239.749 MJ                              |                                                                          |
| Connector color                    | black                                   |                                                                          |
| Strain relief color                | black                                   |                                                                          |
| Printing color of strain relief    | white                                   |                                                                          |
| Sheathed cable color               | black                                   |                                                                          |
| Printing color of sheathed cable   | white                                   |                                                                          |
| Halogen-free                       | No                                      |                                                                          |
| Silicon-free                       | Yes                                     |                                                                          |
| Sheath material                    | PVC                                     |                                                                          |
| Rubber cable                       | No                                      |                                                                          |
| Weight                             | 1278.5 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)<br>Insulating parts for temperatures ≤ 105 °C |  |

| Commercial data       |               |  |
|-----------------------|---------------|--|
| Product Group         | 20 (Winsta)   |  |
| 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                  | 4044918271660 |  |
| 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                                                                                                                                                                                                                                                                          |          |          |                  |                                                         |   |   |                                                         |   |   |
| CCA<br>DEKRA Certification B.V.                         | EN 61535 | NTR NL-7972                                                                                                                                                                                                                                                                               |          |          |                  |                                                         |   |   |                                                         |   |   |
| KEMA/KEUR<br>DEKRA Certification B.V.                   | EN 61535 | 71-123834                                                                                                                                                                                                                                                                                 |          |          |                  |                                                         |   |   |                                                         |   |   |
|                                                         |          | <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr></table> | Approval | Standard | Certificate Name | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | - | - | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | - | - |
| Approval                                                | Standard | Certificate Name                                                                                                                                                                                                                                                                          |          |          |                  |                                                         |   |   |                                                         |   |   |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                                                                                                                                                                                                                                                                                         |          |          |                  |                                                         |   |   |                                                         |   |   |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                                                                                                                                                                                                                                                                                         |          |          |                  |                                                         |   |   |                                                         |   |   |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
771-9993/207-801

↓

Documentation

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 771-9993/207-801 | 19.02.2019 | xml<br>2.97 KB  | ↓ |
| 771-9993/207-801 | 05.12.2014 | doc<br>26.50 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
771-9993/207-801

↓

CAE data

EPLAN Data Portal  
771-9993/207-801

↓

WSCAD Universe  
771-9993/207-801

↓

ZUKEN Portal  
771-9993/207-801

↓

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