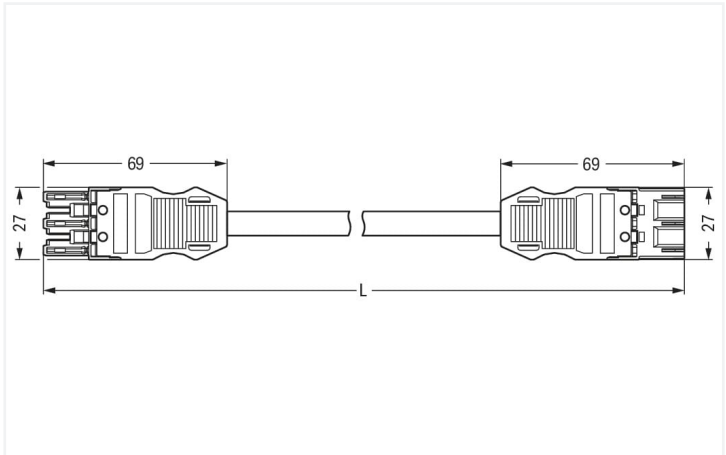




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI A coding

For power and signal transmission: The WINSTA® MIDI cable assembly 3-pole. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow flexible, error-free installation in numerous applications. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector offers protection against contact 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 especially suitable for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, secure, tailored installation. According to the European CPR, the fire class of the cables used for construction is critical for building safety as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. Not using halogen additives in the manufacture of this cable assembly substantially increases fire safety and reduces environmental contamination.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a plug are provided. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Now you can also lower installation costs without compromising quality and safety: with fire class E eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- simple circuits
- with A coding for use in many general mains applications
- custom-engineered solutions
- convenient installation and commissioning

| 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 - Plug |

Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 10 mm / 0.394 inches   |
| Width        | 27 mm / 1.063 inches   |
| Height       | 12.9 mm / 0.508 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 - Plug                                                                                                 |
| Type of pre-assembled cable             | Interconnecting cable                                                                                         |
| Cable type                              | H05Z1Z1-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 <i>WINSTA</i> ® 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)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire class per EN 50575            | E <sub>ca</sub>                                                          |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 29.431 MJ                                                                |
| Connector color                    | black                                                                    |
| 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                           | 165 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       |               |
|-----------------------|---------------|
| 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                  | 4044918585644 |
| Customs tariff number | 85444290900   |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Approvals / Certificates                                |          |                                                            |
|---------------------------------------------------------|----------|------------------------------------------------------------|
| General approvals                                       |          | Declarations of conformity and manufacturer's declarations |
| <div><div>CCA</div><div>KEMA<br/>KEUR</div></div>       |          |                                                            |
| 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                                                  |
| 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 | 771-9993/017-101 |  |  |

|                  |                  |                 |  |
|------------------|------------------|-----------------|--|
| Documentation    |                  |                 |  |
| Bid Text         |                  |                 |  |
| 771-9993/017-101 | 19.02.2019       | xml<br>2.93 KB  |  |
| 771-9993/017-101 | 05.12.2014       | doc<br>25.50 KB |  |
| ausschreiben.de  | 771-9993/017-101 |                 |  |

|              |                  |                   |                  |
|--------------|------------------|-------------------|------------------|
| CAD/CAE-Data |                  |                   |                  |
| CAD data     |                  | CAE data          |                  |
| 2D/3D Models | 771-9993/017-101 | EPLAN Data Portal | 771-9993/017-101 |
|              |                  | WSCAD Universe    | 771-9993/017-101 |
|              |                  |                   |                  |
|              |                  | ZUKEN Portal      | 771-9993/017-101 |
|              |                  |                   |                  |

|                                                                                   |                                                                                   |                                                                                 |                                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 1 Compatible Products                                                             |                                                                                   |                                                                                 |                                                                                 |
| 1.1 Required Accessories                                                          |                                                                                   |                                                                                 |                                                                                 |
| 1.1.1 Locking system                                                              |                                                                                   |                                                                                 |                                                                                 |
| 1.1.1.1 Locking system                                                            |                                                                                   |                                                                                 |                                                                                 |
|                                                                                   |                                                                                   |                                                                                 |                                                                                 |
| Item No.: 770-101<br>Locking lever; for flying leads; for manual operation; black | Item No.: 770-121<br>Locking lever; for flying leads; for manual operation; white | Item No.: 770-111<br>Locking lever; for flying leads; for tool operation; black | Item No.: 770-131<br>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.: 897-2003](#)  
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