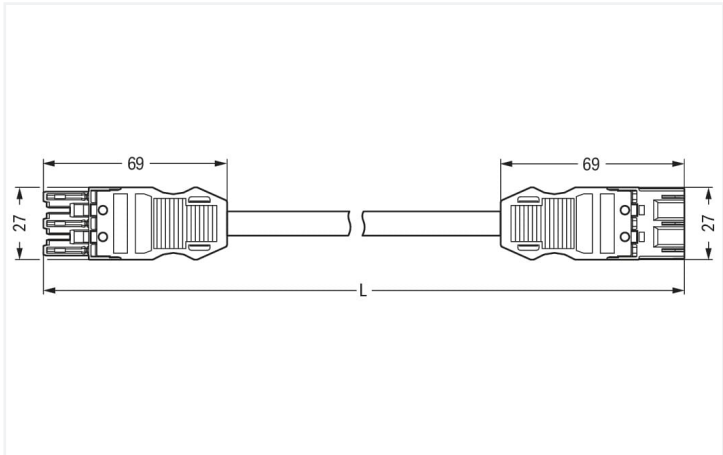




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI A coding

The WINSTA® MIDI cable assembly with protection against mismating supports rapid, correct installation. WAGO pluggable installation connectors are useful when criteria repeat or are planned on a specific pattern, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. 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!)). Thanks to the color coding and mechanical A coding of WINSTA® MIDI pluggable installation connectors, you can clearly distinguish different circuits. The rated current and voltage are important criteria for selecting a pluggable installation connector: They tell us about the product's domains of use. This product has a current rating of 20 A – therefore it is also suitable for high power loads. The WINSTA® MIDI product line guarantees total flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers flexibility for meeting all installation requirements. This product meets all the mandatory fire protection requirements of fire class E; thus it can be used in areas where fire safety is relevant. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials are flame-resistant.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a plug are available. The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- effective protection against mismating
- pre-assembled versions
- suitable for any application
- flexible installation to save space
- 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                                                                                                                                                                                                                                                                                                                | <div>Connection 1</div> <table><tr><td>Pole number</td><td>3</td></tr><tr><td>Sheathed cable diameter</td><td>9.2 ... 11.4 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 | 3 | Sheathed cable diameter | 9.2 ... 11.4 mm | Wire cross-section | 2.5 mm² | Connection type | Socket - Plug |
| Pole number                             | 3                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                            |             |   |                         |                 |                    |         |                 |               |
| Sheathed cable diameter                 | 9.2 ... 11.4 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                                   | 27 mm / 1.063 inches                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                            |             |   |                         |                 |                    |         |                 |               |
| Height                                  | 12.9 mm / 0.508 inches                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                            |             |   |                         |                 |                    |         |                 |               |
| Total length                            | 4 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 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                               | 119.431 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                           |  | 630 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 8.0              |  | EC002587      |
| ETIM 7.0              |  | EC002587      |
| PU (SPU)              |  | 1 pcs         |
| Packaging type        |  | unpacked      |
| Country of origin     |  | DE            |
| GTIN                  |  | 4044918585705 |
| 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 |  |  | ↓ |
| 771-9993/017-401                 |  |  |   |

|                                     |            |                 |   |
|-------------------------------------|------------|-----------------|---|
| Documentation                       |            |                 |   |
| Bid Text                            |            |                 |   |
| 771-9993/017-401                    | 19.02.2019 | xml<br>2.93 KB  | ↓ |
| 771-9993/017-401                    | 05.12.2014 | doc<br>25.50 KB | ↓ |
| ausschreiben.de<br>771-9993/017-401 |            |                 | ↓ |

|                  |   |                   |   |
|------------------|---|-------------------|---|
| CAD/CAE-Data     |   |                   |   |
| CAD data         |   | CAE data          |   |
| 2D/3D Models     |   | EPLAN Data Portal | ↓ |
| 771-9993/017-401 | ↓ | 771-9993/017-401  |   |
|                  |   | WSCAD Universe    | ↓ |
|                  |   | 771-9993/017-401  |   |
|                  |   | ZUKEN Portal      | ↓ |
|                  |   | 771-9993/017-401  |   |

|                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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