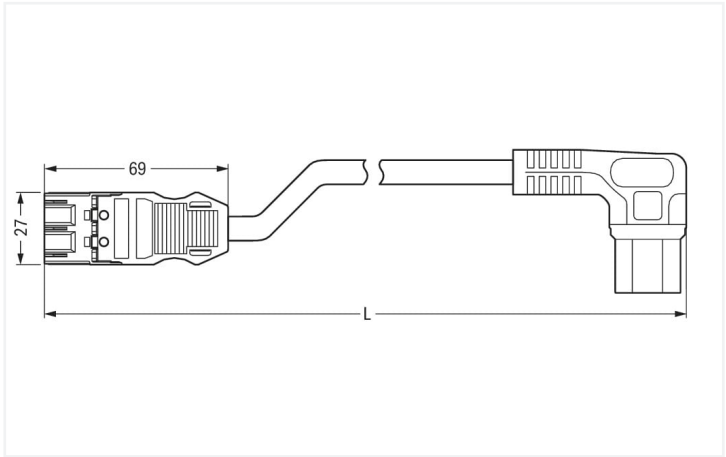




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI with protection against mismating

The WINSTA® MIDI cable assembly with protection type IP20 supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow flexible, error-free installation in numerous applications. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with energised contact elements. The WINSTA® MIDI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. Our WINSTA® MIDI product line allows total flexibility for the 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 for construction is decisive for the safety of buildings, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and cold equipment coupling c13, angled. 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 safety and quality: with marking reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- simple circuits
- with A coding for a large number of 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            |       |                                                                                       |     |    |
|----------------------------|-------|---------------------------------------------------------------------------------------|-----|----|
| Ratings per                |       | IEC/EN 60664-1                                                                        |     |    |
| Overvoltage category       |       | III                                                                                   | III | II |
| Pollution degree           |       | 3                                                                                     | 2   | 2  |
| Nominal voltage            | 250 V | -                                                                                     | -   | -  |
| Rated surge voltage        | 4 kV  | -                                                                                     | -   | -  |
| Rated current              | 10 A  | -                                                                                     | -   | -  |
| General information        |       |                                                                                       |     |    |
| Note on contact resistance |       | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/ socket |     |    |

## Connection data

|                            |                      |                     |                                            |
|----------------------------|----------------------|---------------------|--------------------------------------------|
| Total number of potentials | 3                    | <b>Connection 1</b> |                                            |
| PE function                | Preceding PE contact | Pole number         | 3                                          |
|                            |                      | Wire cross-section  | 1 mm <sup>2</sup>                          |
|                            |                      | Connection type     | Plug - Cold equipment coupling C13, angled |

## Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 10 mm / 0.394 inches   |
| Width        | 48 mm / 1.89 inches    |
| Height       | 19.5 mm / 0.768 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                         | Plug - Cold equipment coupling C13, angled                                                                    |
| Type of pre-assembled cable             | Adapter cable                                                                                                 |
| Cable type                              | H05VV-F 3G1                                                                                                   |
| 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)                                                         |
| 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                          | 30.329 MJ                                                                |
| Connector color                    | black                                                                    |
| Strain relief color                | black                                                                    |



| Material data                   |  |            |
|---------------------------------|--|------------|
| Printing color of strain relief |  | white      |
| Sheathed cable color            |  | black      |
| Halogen-free                    |  | No         |
| Silicon-free                    |  | Yes        |
| Sheath material                 |  | PVC        |
| Rubber cable                    |  | No         |
| Weight                          |  | 119.2 g    |
| Copper weight of the pipe       |  | 0.029 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 9.0              |  | EC002587      |
| ETIM 8.0              |  | EC002587      |
| PU (SPU)              |  | 1 pcs         |
| Packaging type        |  | unpacked      |
| Country of origin     |  | DE            |
| GTIN                  |  | 4044918272247 |
| Customs tariff number |  | 85444290900   |

| Environmental Product Compliance          |  |                                      |
|-------------------------------------------|--|--------------------------------------|
| CAS-No.                                   |  | 7439-92-1                            |
| REACH Candidate List Substance            |  | Lead                                 |
| RoHS Compliance Status                    |  | Compliant, No Exemption              |
| SCIP notification number (Austria)        |  | 8b6feb73-f7b8-4893-97cb-9822bebae643 |
| SCIP notification number (Belgium)        |  | c292a6ee-9733-4fd1-aa9f-f08d2c6ec16c |
| SCIP notification number (Bulgaria)       |  | 51480961-cbac-44b0-91bf-65ff257bbcbd |
| SCIP notification number (Czech Republic) |  | 8d98cf4f-01bd-49f5-9034-ad22acc1ed11 |
| SCIP notification number (Denmark)        |  | 1c2225cb-36a1-4ee5-8552-bcbcc906cd38 |
| SCIP notification number (Finland)        |  | 11152388-bbad-407d-b361-3d6908837f33 |
| SCIP notification number (France)         |  | 69ff8e64-5570-4786-886d-3ad757fb4599 |
| SCIP notification number (Germany)        |  | 8b8d5592-eca5-4255-aa5e-fdbb8c7d75c5 |
| SCIP notification number (Hungary)        |  | 95d1fd0f-3a48-41c1-a9cc-8d8ea82932b6 |
| SCIP notification number (Italy)          |  | 7dbe0c81-6469-45a8-998e-05fd815b33ab |
| SCIP notification number (Netherlands)    |  | 8ee6b04f-becf-467d-824c-7de1e37a3888 |
| SCIP notification number (Poland)         |  | 228046e6-de90-4de1-af22-acc7bb7fcd32 |
| SCIP notification number (Romania)        |  | 9e7b7f05-01ea-4295-881d-bcc2776dd659 |
| SCIP notification number (Sweden)         |  | 36bdac19-fac9-4647-a700-54f64ced88e8 |



|                                  |                  |  |  |
|----------------------------------|------------------|--|--|
| Downloads                        |                  |  |  |
| Environmental Product Compliance |                  |  |  |
| Compliance Search                |                  |  |  |
| Environmental Product Compliance | 771-9993/805-101 |  |  |
|                                  |                  |  |  |

|                  |            |                 |  |
|------------------|------------|-----------------|--|
| Documentation    |            |                 |  |
| Bid Text         |            |                 |  |
| 771-9993/805-101 | 19.02.2019 | xml<br>2.97 KB  |  |
| 771-9993/805-101 | 04.12.2014 | doc<br>23.50 KB |  |

|                   |                  |  |  |
|-------------------|------------------|--|--|
| CAD/CAE-Data      |                  |  |  |
| CAE data          |                  |  |  |
| EPLAN Data Portal | 771-9993/805-101 |  |  |
|                   |                  |  |  |
| WSCAD Universe    | 771-9993/805-101 |  |  |
|                   |                  |  |  |

|                                                                                                   |                                                                                                   |                                                                                                 |                                                                                                 |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1 Compatible Products                                                                             |                                                                                                   |                                                                                                 |                                                                                                 |
| 1.1 Required Accessories                                                                          |                                                                                                   |                                                                                                 |                                                                                                 |
| 1.1.1 Locking system                                                                              |                                                                                                   |                                                                                                 |                                                                                                 |
| 1.1.1.1 Locking system                                                                            |                                                                                                   |                                                                                                 |                                                                                                 |
|                                                                                                   |                                                                                                   |                                                                                                 |                                                                                                 |
| <a href="#">Item No.: 770-101</a><br>Locking lever; for flying leads; for manual operation; black | <a href="#">Item No.: 770-121</a><br>Locking lever; for flying leads; for manual operation; white | <a href="#">Item No.: 770-111</a><br>Locking lever; for flying leads; for tool operation; black | <a href="#">Item No.: 770-131</a><br>Locking lever; for flying leads; for tool operation; white |

|                                                                                        |                                                                                              |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 1.2 Optional Accessories                                                               |                                                                                              |
| 1.2.1 Cover                                                                            |                                                                                              |
| 1.2.1.1 Cover                                                                          |                                                                                              |
|                                                                                        |                                                                                              |
| <a href="#">Item No.: 770-360</a><br>Lockout cap; for plugs; 5-pole; separable; yellow | <a href="#">Item No.: 897-2003</a><br>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