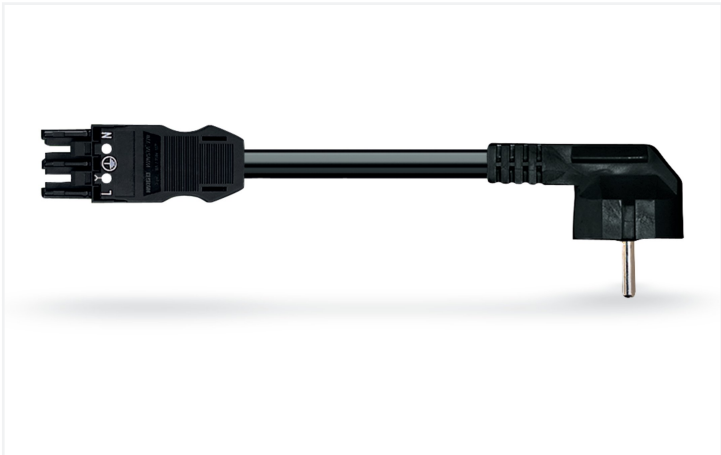
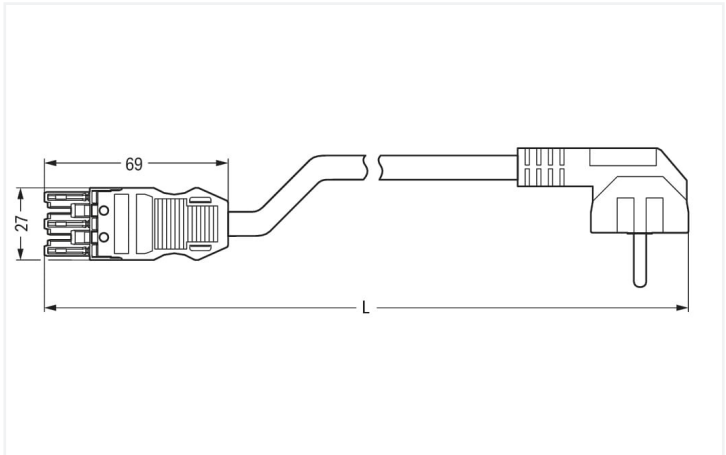




Color:   white

Similar to illustration



Dimensions in mm

Cable assembly WINSTA® MIDI 3-pole

The WINSTA® MIDI cable assembly with protection type IP20 allows assembly of solid and fine-stranded conductors. WAGO pluggable installation connectors can be used when criteria repeat or are distributed on a specific grid, for example for installing grid lighting or flush-mount lighting. 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 implemented with WINSTA® MIDI pluggable installation connectors with A coding. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy, secure, tailored electrical installation. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The required safety requirements in connection with EU CPR are met by this product through fire class E.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and schuko plug, angled. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. 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.

- pluggable installation connectors with protection against mismatching
- pre-assembled versions
- with A coding for use in a large number of general mains applications
- custom-engineered solutions
- rapid, structured electrical 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        |  | 16 A           | -   | -  |                                                 |  |



Connection data

|                            |                      |                    |                              |
|----------------------------|----------------------|--------------------|------------------------------|
| Total number of potentials | 3                    | Connection 1       |                              |
| PE function                | Preceding PE contact | Pole number        | 3                            |
|                            |                      | Wire cross-section | 1.5 mm²                      |
|                            |                      | Connection type    | Socket - SCHUKO plug, angled |

Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 10 mm / 0.394 inches   |
| Width        | 36.5 mm / 1.437 inches |
| Height       | 56 mm / 2.205 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 - SCHUKO plug, angled                                                                                  |
| Type of pre-assembled cable             | Adapter cable                                                                                                 |
| Cable type                              | H05VV-F 3G1.5                                                                                                 |
| 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                              | white                                                                    |
| 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                          | 30.292 MJ                                                                |
| Connector color                    | white                                                                    |
| Strain relief color                | white                                                                    |
| Printing color of strain relief    | black                                                                    |
| Sheathed cable color               | white                                                                    |



| Material data             |            |
|---------------------------|------------|
| Halogen-free              | No         |
| Silicon-free              | Yes        |
| Sheath material           | PVC        |
| Rubber cable              | No         |
| Weight                    | 167 g      |
| Copper weight of the pipe | 0.043 kg/m |

| Environmental requirements               |                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Processing temperature                   | -5 ... +40 °C                                                                                         |
| Continuous operating temperature         | -35 ... +85 °C                                                                                        |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free)<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                  | 4044918587983 |
| 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)        | aea4cbe8-b3bb-447c-a1ad-c65269c9e5ff    |
| SCIP notification number (Belgium)        | d9a56994-e7b5-4257-9109-9b0277d28b23    |
| SCIP notification number (Bulgaria)       | b1aefc0f-ac07-4609-ac94-815eebd1ecd3    |
| SCIP notification number (Czech Republic) | 09671904-2ea7-457a-83b7-b79fc58a6060    |
| SCIP notification number (Denmark)        | 76809e2f-cad9-40f5-a94e-b05d0054d6c7    |
| SCIP notification number (Finland)        | efe530fa-8273-404e-8a18-02b2e15e768b    |
| SCIP notification number (France)         | 1db7a92a-b412-4039-9b3c-5488cb05fa1b    |
| SCIP notification number (Germany)        | a15d9be0-f70c-4247-bdcf-b28ea50e6085    |
| SCIP notification number (Hungary)        | d7393212-669d-4 added-b0a8-976b7b0befe5 |
| SCIP notification number (Italy)          | d22f2ede-79de-4 added-bb34-424529b09fe3 |
| SCIP notification number (Netherlands)    | 2b0f2503-54c5-4638-a6ba-410ea39e9f0a    |
| SCIP notification number (Poland)         | 7a3fe815-728f-48e3-9094-8320bfd095cc    |
| SCIP notification number (Romania)        | 6ca43e64-ed33-40eb-b2e0-fcaafcad410f    |
| SCIP notification number (Sweden)         | d4f240ec-3894-4 added-b993-684448fe9e6d |



Approvals / Certificates

General approvals



| Approval                              | Standard | Certificate Name |
|---------------------------------------|----------|------------------|
| CCA<br>DEKRA Certification B.V.       | EN 61535 | NTR NL-7355      |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535 | 71-123834        |

Declarations of conformity and manufacturer's declarations

| 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<br>Compliance<br>771-9993/306-102 |



Documentation

| Bid Text         |
|------------------|
| 771-9993/306-102 |
| 19.02.2019       |
| xml<br>2.96 KB   |
| 771-9993/306-102 |
| 04.12.2014       |
| doc<br>23.00 KB  |



CAD/CAE-Data

| CAE data                              |
|---------------------------------------|
| EPLAN Data Portal<br>771-9993/306-102 |
| WSCAD Universe<br>771-9993/306-102    |



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<br>operation; black | <a href="#">Item No.: 770-121</a><br>Locking lever; for flying leads; for manual<br>operation; white | <a href="#">Item No.: 770-111</a><br>Locking lever; for flying leads; for tool<br>operation; black | <a href="#">Item No.: 770-131</a><br>Locking lever; for flying leads; for tool<br>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.: 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