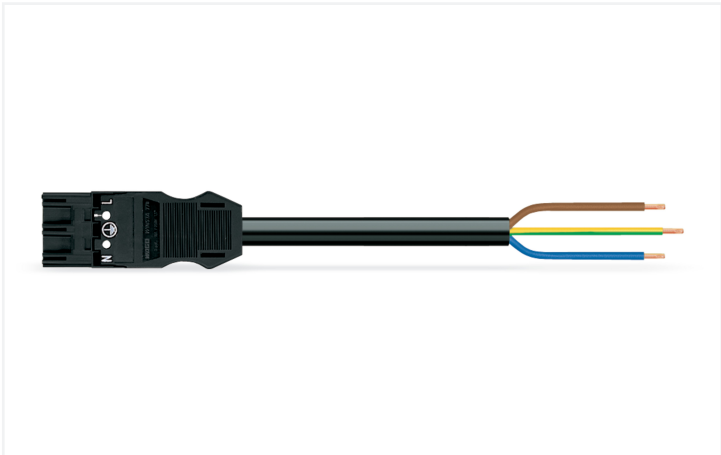
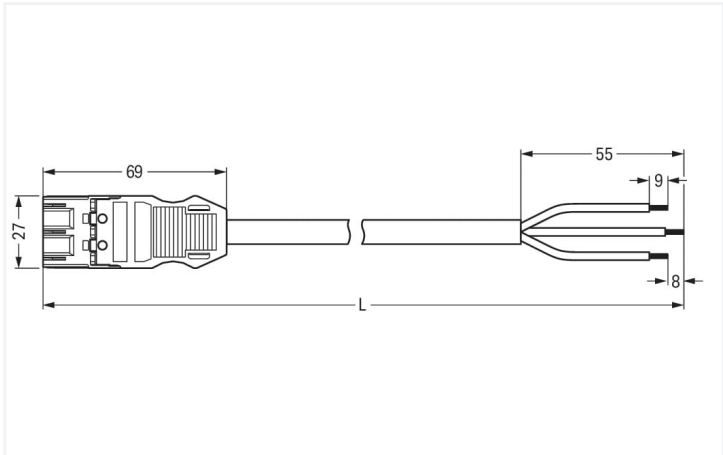




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI 3-pole

The WINSTA® MIDI cable assembly with protection type IP20 allows installation of fine-stranded and solid conductors. Our pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. 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!)). This means that users' fingers will never come into contact with energised contact elements. Thanks to the color coding and mechanical A coding of WINSTA® MIDI pluggable installation connectors, you can clearly distinguish different circuits. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy, secure, tailored installation. This product meets all the mandatory fire protection requirements of fire class E; therefore it can be used in areas where fire safety is relevant.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with fire class E from WAGO.

- protection against mismatching eliminates errors
- for automation controllers
- suitable for any application
- 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      |       |                |    |  | 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                         |
| PE function                | Preceding PE contact      |
| Conductor preparation      | ultrasonically tip-bonded |

### Connection 1

|                                 |                     |
|---------------------------------|---------------------|
| Strip length                    | 9 mm / 0.35 inches  |
| Pole number                     | 3                   |
| Wire cross-section              | 1.5 mm <sup>2</sup> |
| Strip length (outer insulation) | 55 mm               |
| Connection type                 | Plug - free end     |

## Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 10 mm / 0.394 inches   |
| Width        | 27 mm / 1.063 inches   |
| Height       | 12.9 mm / 0.508 inches |
| Total length | 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 - free end                                                                                               |
| Type of pre-assembled cable             | Connecting 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 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                          | 29.757 MJ                               |                                                                          |
| Connector color                    | black                                   |                                                                          |
| Strain relief color                | black                                   |                                                                          |
| Printing color of strain relief    | white                                   |                                                                          |
| Sheathed cable color               | black                                   |                                                                          |
| Printing color of sheathed cable   | white                                   |                                                                          |
| Halogen-free                       | No                                      |                                                                          |
| Silicon-free                       | Yes                                     |                                                                          |
| Sheath material                    | PVC                                     |                                                                          |
| Rubber cable                       | No                                      |                                                                          |
| Weight                             | 109.8 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       |               |  |
|-----------------------|---------------|--|
| 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                  | 4044918271196 |  |
| Customs tariff number | 85444290900   |  |

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

| Approvals / Certificates              |          |                                                                       |
|---------------------------------------|----------|-----------------------------------------------------------------------|
| General approvals                     |          | Declarations of conformity and manufacturer's declarations            |
|                                       |          |                                                                       |
| Approval                              | Standard | Certificate Name                                                      |
| CCA<br>DEKRA Certification B.V.       | EN 61535 | NTR NL-7355                                                           |
| 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  
771-9993/206-101

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Documentation

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 771-9993/206-101 | 19.02.2019 | xml<br>2.98 KB  | ↓ |
| 771-9993/206-101 | 04.12.2014 | doc<br>25.00 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
771-9993/206-101

↓

CAE data

EPLAN Data Portal  
771-9993/206-101

↓

WSCAD Universe  
771-9993/206-101

↓

ZUKEN Portal  
771-9993/206-101

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



Item No.: 770-101  
Locking lever; for flying leads; for manual operation; black



Item No.: 770-121  
Locking lever; for flying leads; for manual operation; white



Item No.: 770-111  
Locking lever; for flying leads; for tool operation; black



Item No.: 770-131  
Locking lever; for flying leads; for tool operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-360  
Lockout cap; for plugs; 5-pole; separable; yellow



Item No.: 897-2003  
Protective cap; Type2; for sockets and plugs; PVC; red

1.2.2 Installation

1.2.2.1 Mounting accessories



[Item No.: 770-310](#)  
Mounting carrier; 2- to 5-pole; for flying leads; black

1.2.3 Marking

1.2.3.1 Marker



[Item No.: 770-450/000-006](#)  
Marker card; Plastic; blue



[Item No.: 770-450/000-001](#)  
Marker card; Plastic; green



[Item No.: 770-450/000-012](#)  
Marker card; Plastic; orange



[Item No.: 770-450/000-005](#)  
Marker card; Plastic; red



[Item No.: 770-450](#)  
Marker card; Plastic; white



[Item No.: 770-450/000-002](#)  
Marker card; Plastic; yellow

1.2.3.2 Marking strip



[Item No.: 210-334](#)  
Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white