

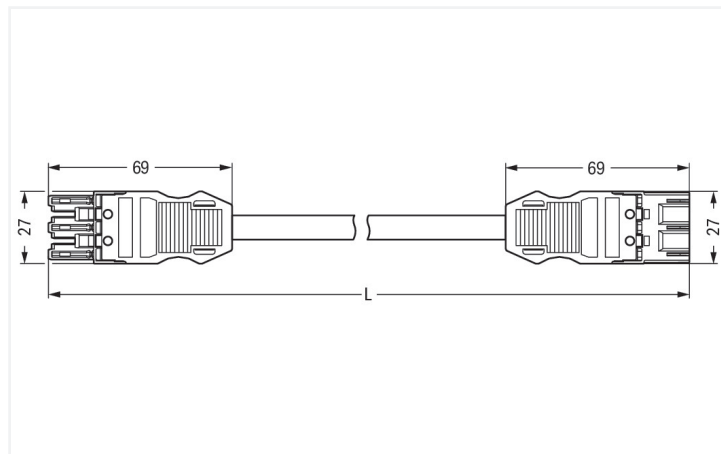
## Data Sheet | Item Number: 771-9973/007-501

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. P; H05VV-F  
3G 2.5 mm<sup>2</sup>; 5 m; 2,50 mm<sup>2</sup>; red

<https://www.wago.com/771-9973/007-501>



Color: ■ red



Dimensions in mm

### Cable assembly WINSTA® MIDI 3-pole

For power and signal transmission: The WINSTA® MIDI cable assembly P coding. Our pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow flexible, error-free installation in a large number of applications. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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!)). WINSTA® MIDI pluggable installation connectors with P coding allow zero-defect implementation of an uninterruptible power supply (UPS). This pluggable installation connector is used for electrical currents up to 20 A. Thus the product is also suitable for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy and maximally flexible electrical installation. This product meets all the relevant safety requirements of fire class E; as a result it can be used in domains where fire safety is relevant.

### Fast, error-free assembly thanks to cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Now you can also reduce installation costs without compromising safety and quality: with protection against mismatching eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- simple circuits
- for UPS applications
- exact dimensions
- rapid, structured electrical installation

### Notes

Note

Cables with a different fire class can be found in the eShop.

## Electrical data

| Ratings per                     | IEC/EN 60664-1 |     |    | General information        |  |
|---------------------------------|----------------|-----|----|----------------------------|--|
| Overvoltage category            | III            | III | II | Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
| Pollution degree                | 3              | 2   | 2  |                            |  |
| Nominal voltage                 | 250 V          | -   | -  |                            |  |
| Rated impulse withstand voltage | 4 kV           | -   | -  |                            |  |
| Rated current                   | 20 A           | -   | -  |                            |  |

## Connection Data

|                            |                      |                     |                     |
|----------------------------|----------------------|---------------------|---------------------|
| Total number of potentials | 3                    | <b>Connection 1</b> |                     |
| PE function                | Preceding PE contact | Pole number         | 3                   |
|                            |                      | Wire cross-section  | 2.5 mm <sup>2</sup> |
|                            |                      | Connection type     | Socket - Plug       |

## Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 10 mm / 0.394 inches   |
| Width        | 27 mm / 1.063 inches   |
| Height       | 12.9 mm / 0.508 inches |
| Total length | 5 m                    |

## Mechanical data

|   |   |
|---|---|
| Use                                     | EDV (UPS)   |
| Coding                                  | P   |
| Variable coding                         | No  |
| 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                              | H05VV-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                              | red  |
| 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                          | 149.422 MJ   |
| Connector color                    | red  |
| 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                             | 810.5 g  |
| Copper weight of the raw cable     | 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

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4045454402051 |
| Customs tariff number | 85444290900   |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 26121629             |
| eCl@ss 10.0 | 27-44-06-04          |
| eCl@ss 9.0  | 27-44-06-04          |
| ETIM 9.0    | EC002587             |
| ETIM 10.0   | EC002587             |
| ECCN        | NO US CLASSIFICATION |

### Environmental Product Compliance

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

Approvals / Certificates

General approvals



| 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        |

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>771-9973/007-501 | <a href="#">↓</a> |
|---|-------------------|

Documentation

Bid Text

|                  |            |                 |                   |
|------------------|------------|-----------------|-------------------|
| 771-9973/007-501 | 19.02.2019 | xml<br>2.91 KB  | <a href="#">↓</a> |
| 771-9973/007-501 | 04.12.2014 | doc<br>24.50 KB | <a href="#">↓</a> |

CAD/CAE-Data

CAE data

|                                    |                   |
|------------------------------------|-------------------|
| WSCAD Universe<br>771-9973/007-501 | <a href="#">↓</a> |
|------------------------------------|-------------------|

1 Compatible Products

1.2 Optional Accessories

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