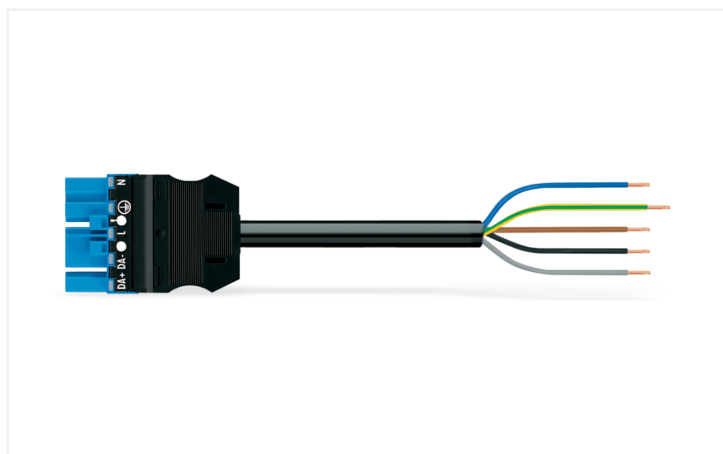


Data Sheet | Item Number: 771-9985/217-301

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. I; H05Z1Z1-F
5G 2.5 mm²; 3 m; 2,50 mm²; blue

<https://www.wago.com/771-9985/217-301>



Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI 5-pole

The WINSTA® MIDI cable assembly rated current 20 A supports rapid, correct installation. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow fast, efficient, error-free installation in numerous possible uses. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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!)). I coding in blue is used to identify WINSTA® MIDI pluggable installation connectors, which are used primarily in automation of buildings for controlling lighting. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They tell us about the product's domains of use. This product has a current rating of 20 A – so it is also suitable for powerful loads. The WINSTA® MIDI product line achieves maximum flexibility for the electrical installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers flexibility and customization for meeting various installation requirements. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials do not easily ignite.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a plug and a free end. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and installation errors at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismatching from WAGO.

- effective protection against mismatching
- pre-assembled versions
- for intelligent, easy lighting installation
- exact dimensions
- fast, secure 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 approx. 0.25 mΩ contact transition plug/ socket |
| Pollution degree | 3 | 2 | 2 | | |
| Nominal voltage | 400 V | - | - | | |
| Rated impulse withstand voltage | 6 kV | - | - | | |
| Rated current | 20 A | - | - | | |

Connection Data

| | | | |
|----------------------------|---------------------------|---------------------------------|---------------------|
| Total number of potentials | 5 | Connection 1 | |
| PE function | Preceding PE contact | Strip length | 9 mm / 0.35 inches |
| Conductor preparation | ultrasonically tip-bonded | Pole number | 5 |
| | | Wire cross-section | 2.5 mm ² |
| | | Strip length (outer insulation) | 55 mm |
| | | Connection type | Plug - free end |

Physical data

| | |
|--------------|-------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 47 mm / 1.85 inches |
| Height | 15.38 mm / 0.606 inches |
| Total length | 3 m |

Mechanical data

| | |
|---|---|
| Use | DALI, Lighting Management |
| Coding | I |
| Variable coding | No |
| Marking | N ⊕ L DA- DA+ |
| Potential marking | N ⊕ L DA- DA+ |
| 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 | H05Z1Z1-F 5G2.5 |
| 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: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered 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) | Information on material specifications can be found here |
| Color | blue |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire class per EN 50575 | E _{ca} |
| Contact material | Copper or copper alloy; surface-treated |
| Contact Plating | Tin |
| Fire load | 90.163 MJ |
| Connector color | blue |
| Strain relief color | black |
| Printing color of strain relief | white |
| Sheathed cable color | black |
| Printing color of sheathed cable | white |
| Halogen-free | Yes |
| Silicon-free | Yes |
| Sheath material | Halogen-free |
| Rubber cable | No |
| Weight | 717.7 g |
| Copper weight of the raw cable | 0.12 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) Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 1 pcs |
| Packaging type | unpacked |
| Country of origin | PL |
| GTIN | 4045454404970 |
| 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 | | | Declarations of conformity and manufacturer's declarations | | |
|---------------------------------------|----------|------------------|--|----------|------------------|
| | | | | | |
| Approval | Standard | Certificate Name | Approval | Standard | Certificate Name |
| CCA DEKRA Certification B.V. | EN 61535 | NTR NL-7972 | EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| KEMA/KEUR DEKRA Certification B.V. | EN 61535 | 71-123834 | UK-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |

Downloads

Environmental Product Compliance

| | |
|--|---|
| Compliance Search | |
| Environmental Product Compliance 771-9985/217-301 | ↓ |

Documentation

| | | | |
|------------------|------------|-----------------|---|
| Bid Text | | | |
| 771-9985/217-301 | 19.02.2019 | xml 3.06 KB | ↓ |
| 771-9985/217-301 | 11.12.2014 | doc 26.50 KB | ↓ |

CAD/CAE-Data

| | |
|------------------------------------|---|
| CAE data | |
| WSCAD Universe 771-9985/217-301 | ↓ |

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.: 897-2005

Protective cap; Type4; 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