

Dimensions in mm

Distribution connector *WINSTA*® MIDI with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MIDI distribution connector with protection against mismatching. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to various requirements in seconds. 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!)). The SMI (Standard Motor Interface) protocol is an interface for activating electronic drives, such as those employed in sun protection equipment (roller shutters or sun blinds). Solutions like the *WINSTA*® MIDI pluggable installation connectors with B coding are suitable for applications involving process control, for example, for lighting or within data networks. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is also suitable for high power loads. The *WINSTA*® MIDI product line offers total flexibility for the installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers customization for meeting an enormous variety of installation requirements.

Lower costs through fast commissioning and elimination of service expenses – solutions from *WINSTA*® MIDI

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Now you can also lower installation expenses without compromising safety and quality: with locking lever eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- pre-assembled versions
- with B coding for use in process automation, such as lighting technology
- ready to install and use immediately
- convenient installation and commissioning

| Notes | |
|-----------|---|
| Variants: | Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ . |

| Electrical data | | | | | |
|----------------------|----------------|-----|----|---------------|---------|
| Ratings per | IEC/EN 60664-1 | | | Approvals per | UL 1977 |
| Overvoltage category | III | III | II | Rated voltage | 600 V |
| Pollution degree | 3 | 2 | 2 | Rated current | 23 A |
| Nominal voltage | 400 V | - | - | | |
| Rated surge voltage | 6 kV | - | - | | |
| Rated current | 25 A | - | - | | |

General information

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|----------------------------|--|
| Note on contact resistance | approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket |
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Connection data

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|----------------------------|---|---------------------|---|
| Total number of potentials | 5 | Connection 1 | |
| | | Pole number | 5 |

Physical data

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|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 50 mm / 1.969 inches |
| Height | 36.7 mm / 1.445 inches |
| Depth | 46 mm / 1.811 inches |

Mechanical data

| | |
|---|---|
| Technology | SMI |
| Application | Control technology |
| Coding | B |
| Marking | N L I- I+ |
| Potential marking | N L I- I+ |
| Mating force of a plug-in connection | Approx. 20 ... 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Unmating force of a plug-in connection | Unlocked: approx. 20 ... 70 N (depending on pole number) |
| Number of mating cycles | 200, without resistive load |
| Type of distribution box | Distribution connector, 3-way |
| 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: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole |
| Locking lever | Yes |
| 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). |
| Number of locking levers | 4 |

Material data

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|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 0.764 MJ |
| Weight | 44.1 g |

Environmental requirements

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| Processing temperature | -5 ... +40 °C |
| Continuous operating temperature | -35 ... +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

Commercial data

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|-----------------------|---------------|
| Product Group | 20 (Winsta) |
| ETIM 8.0 | EC002567 |
| ETIM 7.0 | EC002567 |
| PU (SPU) | 25 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4055143082754 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

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

Downloads

Environmental Product Compliance

Compliance Search

| | |
|--|-------------------|
| Environmental Product Compliance 770-1746/080-000 | ↓ |
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Documentation

Bid Text

| | | | |
|-------------------------------------|------------|-----------------|-------------------|
| 770-1746/080-000 | 19.02.2019 | xml 2.81 KB | ↓ |
| 770-1746/080-000 | 29.09.2017 | doc 23.00 KB | ↓ |
| ausschreiben.de 770-1746/080-000 | | | ↓ |

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9935/206-307/080-000
pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. B; H05VV-F 5G 1.5 mm²; 3 m; 1,50 mm²; pink



Item No.: 771-9935/106-107/080-000
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; pink



Item No.: 771-9935/006-107/080-000
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; H05VV-F 5G 1.5 mm²; 1 m; 1,50 mm²; pink

1.1.2 Female connector/socket



Item No.: 770-285/080-000
Socket; 5-pole; Cod. B; 4,00 mm²; pink

1.1.3 Male connector/plug



Item No.: 770-295/080-000
Plug; 5-pole; Cod. B; 4,00 mm²; pink

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



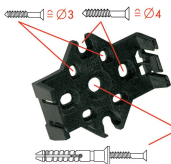
Item No.: 770-221
Lockout cap; 12-pole, separable; for sockets; Plastic; white



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

Installation Notes

Installation



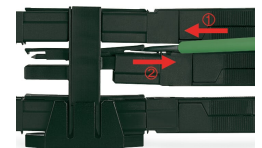
Mounting plates can be secured using commercially available screws or nail-drive anchors.



The distribution connectors snap together when attached to the mounting plate.



To release the distribution connector, unlock the latch using a screwdriver.



All distribution connector connections are locked and protected against accidental disconnection directly after mating. Locking of any connection is released using a screwdriver, even if all connections are used.