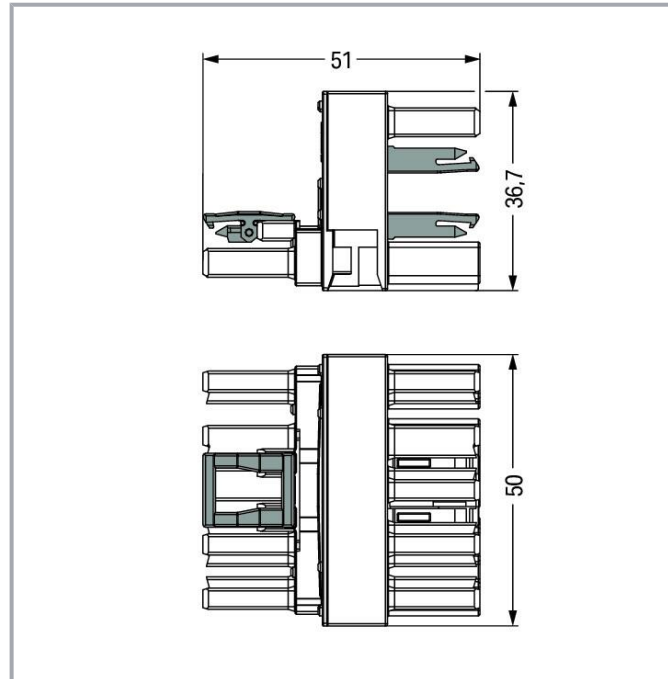
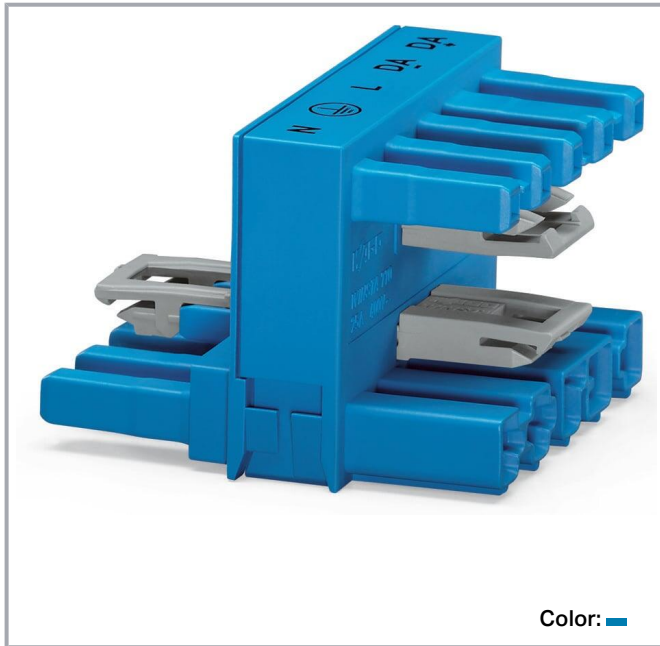


Data sheet | Item number: 770-993

h-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; blue

www.wago.com/770-993



Item description

Distribution connector *WINSTA*® MIDI I coding

The *WINSTA*® MIDI distribution connector with locking latch supports fast, reliable installation. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a specific grid, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. 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!)). That results in the fact that users' fingers will never come into contact with energised contact elements. I coding in blue is used to identify *WINSTA*® MIDI pluggable installation connectors, which are used above all in building automation for controlling lighting. This pluggable installation connector can be used for a current load of up to 25 A. Therefore, it can also be used for high power loads. Our *WINSTA*® MIDI product line allows total flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers flexibility for meeting various installation requirements.

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus faster, even more reliable, and error-free. Using 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 WINSTA® MIDI pluggable installation connectors with locking lever from WAGO.

- protection against mismatching eliminates errors
- for automation controllers
- with I coding for lighting control (DALI standard)
- exact dimensions
- quick replacement of defective units during ongoing operation

Data

Electrical data

Ratings per IEC/EN

| | |
|-------------------------------|---|
| Ratings per | IEC/EN 60664-1 |
| Nominal voltage (III/3) | 400 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 25 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Ratings per UL 1977

| | |
|-------------------------|--|
| Note for the US market | Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office. |
| Rated voltage (UL 1977) | 600 V |
| Rated current UL 1977 | 23 A |

General

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

Subject to changes. Please also observe the further product documentation!



Connection data

| | |
|----------------------------|----------------------|
| Total number of potentials | 5 |
| PE function | Preceding PE contact |

Connection 1

| | |
|-------------|---|
| Pole number | 5 |
|-------------|---|

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 50 mm / 1.969 inches |
| Height | 36.7 mm / 1.445 inches |
| Depth | 51 mm / 2.008 inches |

Mechanical Data

| | |
|---|---|
| Application | DALI, Lighting Management |
| Coding | I |
| Variable coding | No |
| Marking | N \perp L DA- DA+ |
| Potential marking | N \perp 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: > 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 | h-distribution connector, outputs on both sides |
| Protection type | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |
| Suitable | for flying leads |

Plug-in connection

| | |
|------------------------------------|--|
| Contact type (pluggable connector) | Socket/plug |
| 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 |

Subject to changes. Please also observe the further product documentation!



| | |
|-------------------------------|--|
| 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 | 3 |

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | blue |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 0.685 MJ |
| Weight | 38.4 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|---------------|
| Product Group | 20 (Winsta) |
| eCl@ss 10.0 | 27-44-06-03 |
| eCl@ss 9.0 | 27-44-06-03 |
| ETIM 8.0 | EC002567 |
| ETIM 7.0 | EC002567 |
| PU (SPU) | 25 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4045454853433 |
| Customs tariff number | 85366990990 |

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Environmental Product Compliance

RoHS Compliance Status




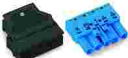



Compliant, No Exemption

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | cURus Underwriters Laboratories Inc. | UL 1977 | E45171 |



Counterpart

| | | |
|--|--|--|
|  | Item no.770-1105 Socket; 5-pole; Cod. I; 4,00 mm ² ; blue | www.wago.com/770-1105 |
|  | Item no.770-1105/022-000 Socket; with strain relief housing; 5-pole; Cod. I; 4,00 mm ² ; blue | www.wago.com/770-1105/022-000 |
|  | Item no.770-1115 Plug; 5-pole; 4,00 mm ² ; blue | www.wago.com/770-1115 |
|  | Item no.770-1115/022-000 Plug; with strain relief housing; 5-pole; Cod. I; 4,00 mm ² ; blue | www.wago.com/770-1115/022-000 |
|  | Item no.771-9985/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue | www.wago.com/771-9985/006-101 |
|  | Item no.771-9985/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue | www.wago.com/771-9985/106-101 |
|  | Item no.771-9985/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm ² ; 1 m; 1,50 mm ² ; blue | www.wago.com/771-9985/206-101 |

Optional accessories

Cover

Cover

| | | |
|--|--|--|
|  | Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable; yellow | www.wago.com/770-360 |
|  | Item no.: 770-201 Lockout cap; 12-pole, separable; for sockets; Plastic; black | www.wago.com/770-201 |

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Item no.: 770-221

Lockout cap; 12-pole, separable; for sockets; Plastic; white

www.wago.com/770-221

Mounting

Mounting accessories



Item no.: 770-625

Mounting plate; 5-pole; for distribution connectors; Plastic; black

www.wago.com/770-625



Item no.: 770-675

Mounting plate; 5-pole; for distribution connectors; Plastic; white

www.wago.com/770-675

Downloads

Documentation

Bid Text

| | | | |
|--|-------------|----------------|----------|
| 770-993 X81 - Datei | 2019 Feb 19 | xml 2.9 kB | Download |
| 770-993 doc - Datei | 2015 Mar 12 | doc 23.6 kB | Download |
| ausschreiben.de 770-993 | | URL | Download |

CAD/CAE-Data

CAE data

| | | |
|--|-----|----------|
| WSCAD Universe 770-993 | URL | Download |
|--|-----|----------|

CAD data

| | | |
|--------------------------------------|-----|----------|
| 2D/3D Models 770-993 | URL | Download |
|--------------------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

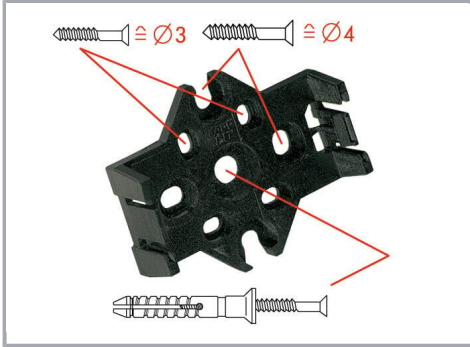
| | | |
|--|-----|----------|
| Environmental Product Compliance 770-993 | URL | Download |
|--|-----|----------|

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h-distribution connector; 5-pole; Cod. I; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; blue

Installation Notes

Installation



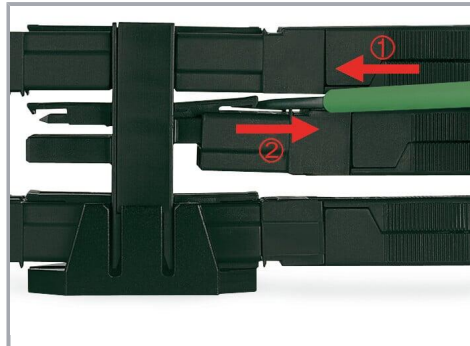
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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.

Product family

WINSTA® MIDI

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!