

Data sheet | Item number: 770-1753

h-distribution connector; 2-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; pink

www.wago.com/770-1753



Color:



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

WAGO GmbH & Co. KG
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Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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We are always happy to take your call at +49 (571) 887-44222.



Item description

Distribution connector *WINSTA*® MIDI with protection against mismating

The *WINSTA*® MIDI distribution connector with protection against mismating supports fast, reliable installation. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow resource-efficient, error-free installation in a large number of applications. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. 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!)). B coding enables the *WINSTA*® MIDI pluggable installation connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. This pluggable installation connector is used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in *CAGE CLAMP*® spring pressure connection technology facilitates safe electrification. Thanks to the included test slot, connections can be checked even when they are plugged in. This saves time, labor, and money.

WINSTA® MIDI solutions for your electrical installation – protected against mismating and maintenance-free

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. Use of this pre-assembled system reduces time spent on assembly and errors during installation at the construction site. Now you can also lower installation expenses without compromising safety and quality: The *WINSTA*® MIDI pluggable installation connector with marking reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- simple circuits
- with B coding for use in automation of processes, such as lighting technology, among other examples
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

Data

Notes

Variants:

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Electrical data

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

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Ratings per IEC/EN

| | |
|-------------------------------|---|
| Ratings per | IEC/EN 60664-1 |
| Nominal voltage (III/3) | 250 V |
| Rated impulse voltage (III/3) | 4 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 information

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

Connection data

| | |
|----------------------------|---|
| Total number of potentials | 2 |
|----------------------------|---|

Connection 1

| | |
|-------------|---|
| Pole number | 2 |
|-------------|---|

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 20 mm / 0.787 inches |
| Height | 32.7 mm / 1.287 inches |
| Depth | 50.8 mm / 2 inches |

Mechanical Data

| | |
|-----------------|--------------------|
| Application | Control technology |
| Coding | B |
| Variable coding | No |
| Marking | 1 2 |

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| | |
|---|---|
| Potential marking | 1 2 |
| 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 at one end |
| 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 |
| 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 | |

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | pink |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 0.275 MJ |
| Weight | 15.6 g |

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



Environmental requirements

| | |
|--|--|
| Processing temperature | -5 ... +40 °C |
| Continuous operating temperature | -35 ... +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 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) | 50 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4050821531319 |
| Customs tariff number | 85366990990 |

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 |
| | cURus Underwriters Laboratories Inc. | UL 1059 | E 45172 |

Counterpart

| | |
|--|--|
| Item no.770-282 Socket; 2-pole; Cod. B; 4,00 mm ² ; pink | www.wago.com/770-282 |
| Item no.770-292 Plug; 2-pole; Cod. B; 4,00 mm ² ; pink | www.wago.com/770-292 |
| Item no.771-8992/005-107 pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. B; Control cable 2 x 1.0 mm ² ; 1 m; 1,00 mm ² ; pink | www.wago.com/771-8992/005-107 |

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**Item no. 771-8992/105-107**pre-assembled connecting cable; Socket/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm²; 1 m; 1,00 mm²; pinkwww.wago.com/771-8992/105-107**Item no. 771-8992/205-107**pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm²; 1 m; 1,00 mm²; pinkwww.wago.com/771-8992/205-107**Optional accessories****Mounting**

Mounting accessories

Item no.: 770-1626

Mounting plate; 2-pole; for distribution connectors; Plastic; black

www.wago.com/770-1626**Item no.: 770-1627**

Mounting plate; 2-pole; for distribution connectors; Plastic; white

www.wago.com/770-1627**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**Item no.: 770-221**

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

www.wago.com/770-221**Downloads****Documentation****Bid Text**

770-1753

X81 - Datei

2019 年2月19日

xml

2.9 kB

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CAD/CAE-Data**CAD data**

2D/3D Models 770-1753

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CAE data

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Installation Notes

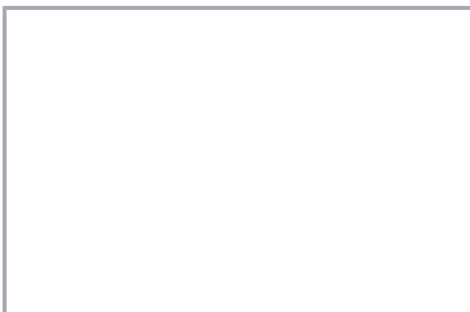
Installation



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.

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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](#)

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