

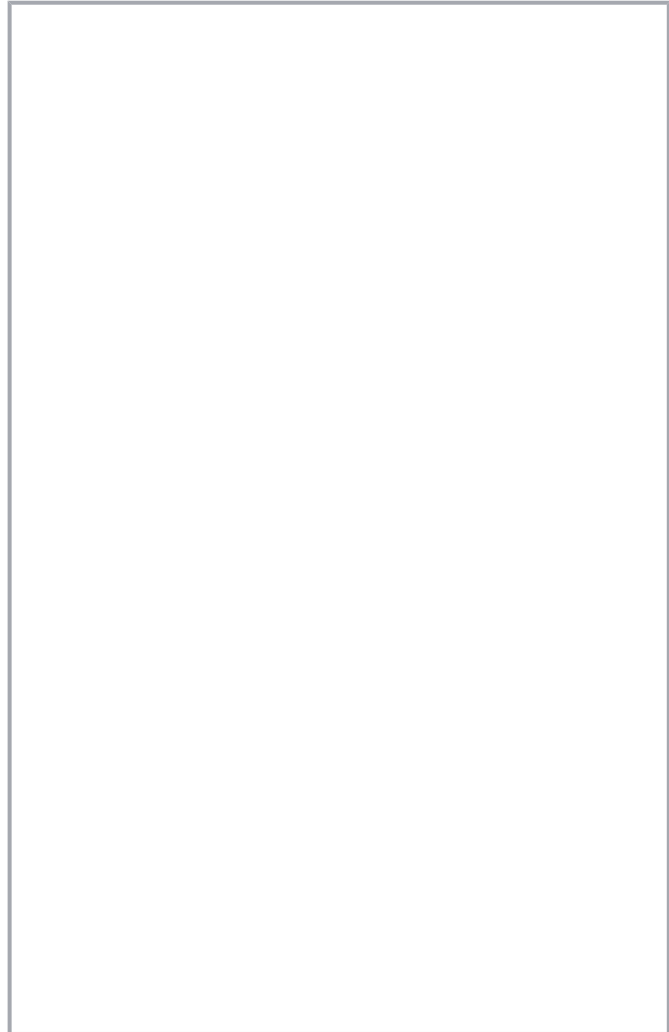
Data sheet | Item number: 770-944

h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; black

www.wago.com/770-944



Color:



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

WAGO GmbH & Co. KG
Hansastr. 27
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Phone: +49571 887-0 | Fax: +49571 887-169
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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.



Item description

Distribution connector *WINSTA*® MIDI with protection against mismatching

The *WINSTA*® MIDI distribution connector rated current 25 A supports fast, reliable installation. The pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow flexible, 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 in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This means that users' fingers will never come into contact with electrified elements. The *WINSTA*® MIDI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They provide information about possible domains of use and applications. This product has a current rating of 25 A – so it is also suitable for robust loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy, flexible, and secure electrical installation.

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

The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the *WINSTA*® MIDI pluggable installation connector with locking lever from WAGO makes the electrical installation of electrical components noticeably easier.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with A coding for a great number of applications
- exact dimensions
- fast, secure installation

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) $\hat{=}$ Overvoltage category III / Pollution degree 3 |

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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 | 4 |
| PE function | Preceding PE contact |

Connection 1

| | |
|-------------|---|
| Pole number | 4 |
|-------------|---|

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 40 mm / 1.575 inches |
| Height | 36.7 mm / 1.445 inches |
| Depth | 51 mm / 2.008 inches |

Mechanical Data

| | |
|---|---|
| Application | General mains applications |
| Coding | A |
| Marking | N \downarrow 2/L 1/L' |
| Potential marking | N \downarrow 2/L 1/L' |
| 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 |

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designed for use in open, easily accessible areas!

Plug-in connection

| | |
|------------------------------------|--|
| Contact type (pluggable connector) | Socket/plug |
| 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 | 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 | black |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 2.95 MJ |
| Weight | 31.6 g |

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) |
|---------------|-------------|

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| | |
|-----------------------|---------------|
| 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 | 4045454982034 |
| 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.770-114 Plug; with strain relief housing; 4-pole; Cod. A; 4,00 mm ² ; black | www.wago.com/770-114 |
| Item no.770-104 Socket; with strain relief housing; 4-pole; Cod. A; 4,00 mm ² ; black | www.wago.com/770-104 |
| Item no.770-204 Socket; 4-pole; Cod. A; 4,00 mm ² ; black | www.wago.com/770-204 |
| Item no.771-9994/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm ² ; 1 m; 1,50 mm ² ; black | www.wago.com/771-9994/006-101 |
| Item no.770-214 Plug; 4-pole; Cod. A; 4,00 mm ² ; black | www.wago.com/770-214 |
| Item no.771-9994/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm ² ; 1 m; 1,50 mm ² ; black | www.wago.com/771-9994/106-101 |
| Item no.771-9994/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm ² ; 1 m; 1,50 mm ² ; black | www.wago.com/771-9994/206-101 |

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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 |
| Item no.: 770-221 Lockout cap; 12-pole, separable; for sockets; Plastic; white | | www.wago.com/770-221 |

Mounting

| Mounting accessories | | |
|---|--|--|
| Item no.: 770-624 Mounting plate; 4-pole; for distribution connectors; Plastic; black | | www.wago.com/770-624 |
| Item no.: 770-674 Mounting plate; 4-pole; for distribution connectors; Plastic; white | | www.wago.com/770-674 |

Downloads

Documentation

Bid Text

| | | | |
|------------------------|--------------|----------------|----------|
| 770-944 X81 - Datei | 2019 年2月19 日 | xml 2.8 kB | Download |
| 770-944 doc - Datei | 2015 年3月12 日 | doc 23.6 kB | Download |

CAD/CAE-Data

CAE data

| | | | |
|------------------------|--|-----|----------|
| ZUKEN Portal 770-944 | | URL | Download |
| WSCAD Universe 770-944 | | URL | Download |

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 770-944 | | URL | Download |
|----------------------|--|-----|----------|

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-944

URL

Download

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Installation Notes

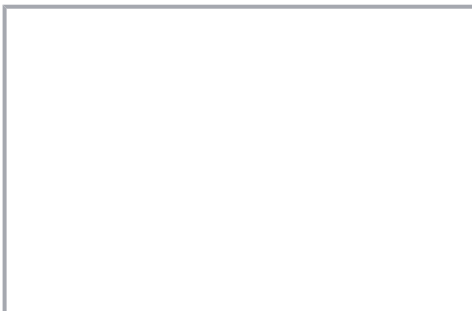
Installation



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.



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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