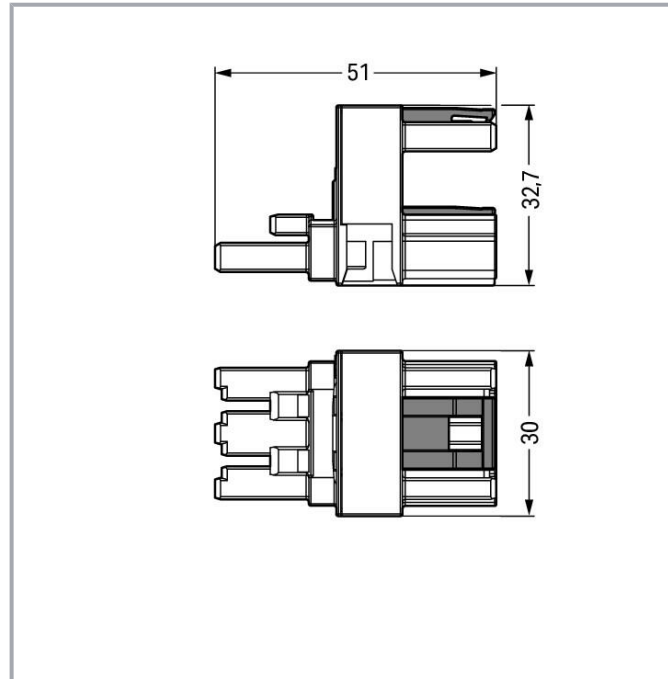
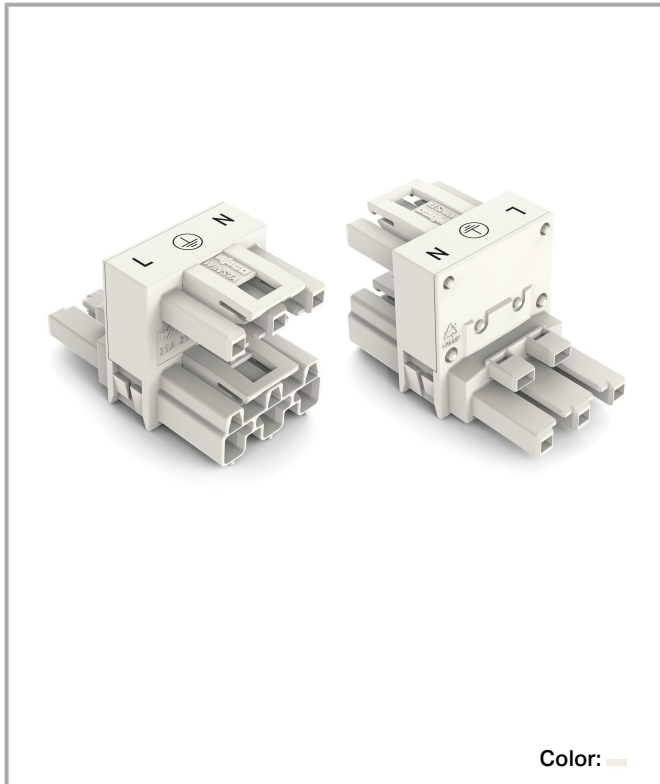


Data sheet | Item number: 770-683

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 2 locking levers; white

www.wago.com/770-683



Item description

Distribution connector **WINSTA®** MIDI with protection against mismatching

Use effective pluggable connections instead of laborious screw connections: With the **WINSTA®** MIDI distribution connector 3-pole. WAGO pluggable installation connectors are useful when specifications repeat or are planned on a specific pattern, 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 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!)). Thanks to the color coding and mechanical A coding of **WINSTA®** MIDI pluggable installation connectors, you can clearly distinguish different circuits. 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 Pluggable Connection System with Push-in **CAGE CLAMP®** spring pressure connection technology facilitates safe electrification. Due to the included test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and costs.

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

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also reduce installation expenses without compromising quality and safety: The WINSTA® MIDI pluggable installation connector with marking reduces the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- simple circuits
- with A coding for a large number of uses
- ready for immediate use
- 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) | 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

| | |
|----------------------------|--|
| 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 | 3 |
| PE function | Preceding PE contact |

Connection 1

| | |
|-------------|---|
| Pole number | 3 |
|-------------|---|

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 30 mm / 1.181 inches |
| Height | 32.7 mm / 1.287 inches |
| Depth | 51 mm / 2.008 inches |

Mechanical Data

| | |
|---|---|
| Application | General mains applications |
| Coding | A |
| Marking | L \perp N |
| Potential marking | L \perp N |
| 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!) |

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 |

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



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 | white |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 0.386 MJ |
| Weight | 22.8 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

| | |
|-----------------------|---------------|
| 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 | 4045454251550 |
| Customs tariff number | 85366990990 |



Environmental Product Compliance

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


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

Approvals / Certificates




General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 61535 | 71-123228 |
| | CCA DEKRA Certification B.V. | IEC 61535 | NL -84761 |
|  | cURus Underwriters Laboratories Inc. | UL 1977 | E45171 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications









| Logo | Approval | Additional Approval Text | Certificate name |
|---|--|--------------------------|------------------|
|  | ABS American Bureau of Shipping | - | 19-HG1868589-PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001Z6 |
|  | LR Lloyds Register | IEC 61984 | LR22429487TA |

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Counterpart

| | | |
|--|---|--|
|  | Item no.770-123 Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm ² ; white | www.wago.com/770-123 |
|  | Item no.770-133 Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm ² ; white | www.wago.com/770-133 |
|  | Item no.770-223 Socket; 3-pole; Cod. A; 4,00 mm ² ; white | www.wago.com/770-223 |
|  | Item no.770-223/035-050 Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm ² ; white | www.wago.com/770-223/035-050 |
|  | Item no.770-233 Plug; 3-pole; Cod. A; 4,00 mm ² ; white | www.wago.com/770-233 |
|  | Item no.770-233/035-050 Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm ² ; white | www.wago.com/770-233/035-050 |
|  | Item no.771-9993/006-102 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm ² ; 1 m; 1,50 mm ² ; white | www.wago.com/771-9993/006-102 |
|  | Item no.771-9993/106-102 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm ² ; 1 m; 1,50 mm ² ; white | www.wago.com/771-9993/106-102 |
|  | Item no.771-9993/206-102 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm ² ; 1 m; 1,50 mm ² ; white | www.wago.com/771-9993/206-102 |

Optional accessories

Mounting

Mounting accessories

| | | |
|--|---|--|
|  | Item no.: 770-623 Mounting plate; 3-pole; for distribution connectors; Plastic; black | www.wago.com/770-623 |
|--|---|--|

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



Item no.: 770-673
Mounting plate; 3-pole; for distribution connectors; Plastic; white

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

| | | | |
|-------------------------|-------------|----------------|----------|
| 770-683 X81 - Datei | 2019 Feb 19 | xml 2.8 kB | Download |
| 770-683 doc - Datei | 2015 Mar 12 | doc 23.6 kB | Download |
| ausschreiben.de 770-683 | | URL | Download |

CAD/CAE-Data

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 770-683 | | URL | Download |
|----------------------|--|-----|----------|

CAE data

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 770-683 | | URL | Download |
| WSCAD Universe 770-683 | | URL | Download |
| ZUKEN Portal 770-683 | | URL | Download |

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-683

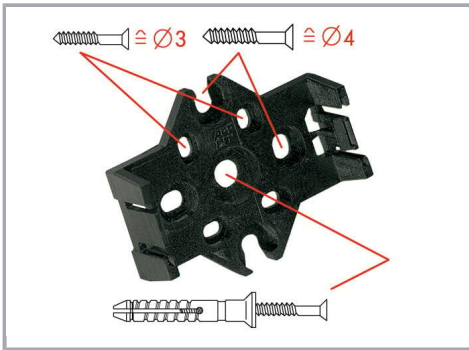
URL

Download

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 2 locking levers; white

Installation Notes

Installation



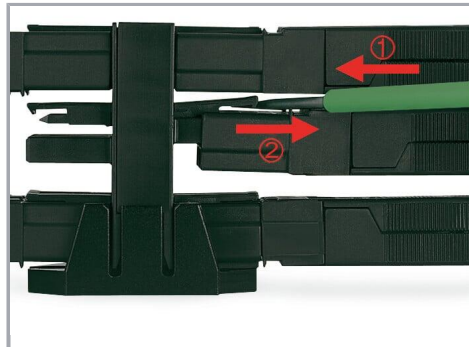
Mounting plates can be secured using commercially available screws or nail-drive anchors.



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

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WINSTA® MIDI

[Show all products from the family](#)

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