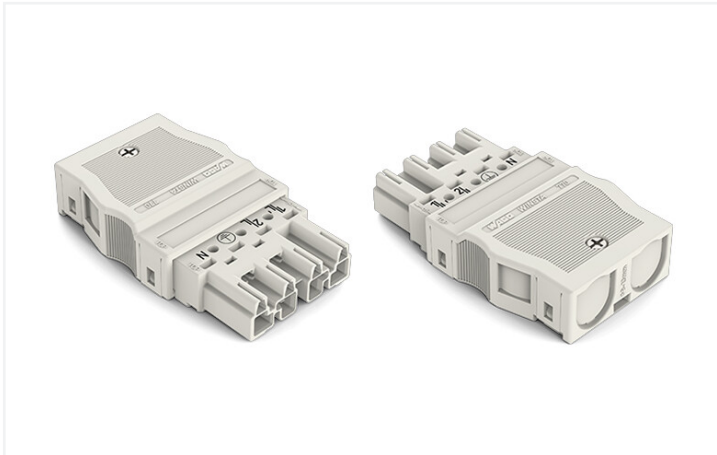


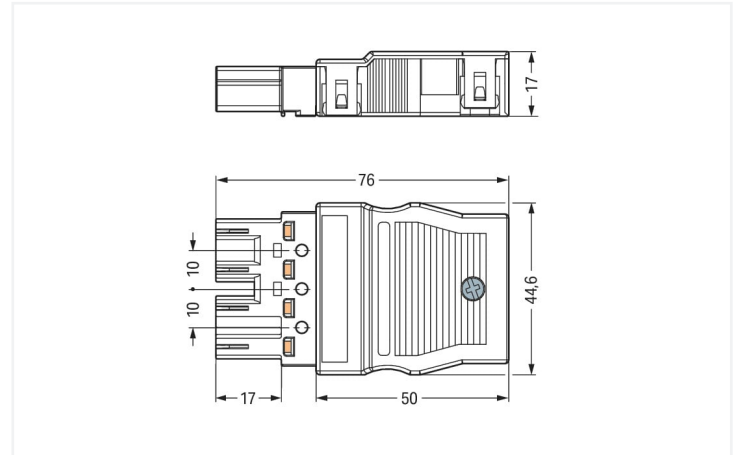
Data Sheet | Item Number: 770-134

Plug; with strain relief housing; 4-pole; Cod. A; 4,00 mm²; white

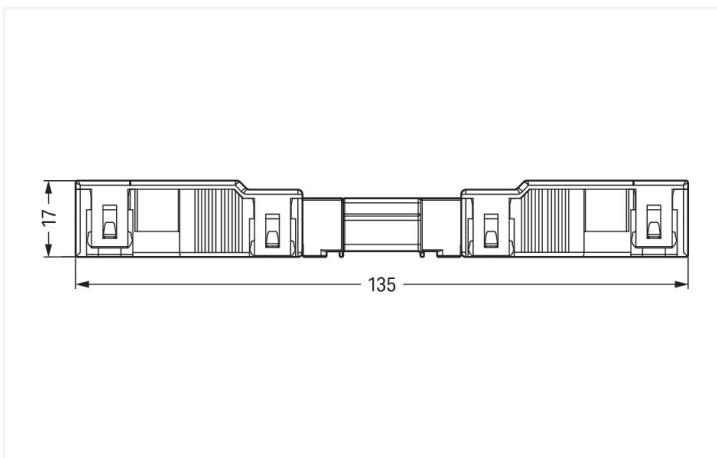
<https://www.wago.com/770-134>



Color: ■ white



Dimensions in mm



Dimensions in mm

Overall length when mated

Male connector/plug WINSTA® MIDI with strain relief

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI male connector/plug A coding. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to a huge variety of requirements in seconds. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). 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 tell us about the product's domains of use. This product has a current rating of 25 A – therefore it is suitable for powerful loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, secure, tailored electrical installation. The strip length is 55 mm.

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

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

- effective protection against mismatching
- simple circuits
- with A coding for a large number of uses
- ready for immediate use
- convenient installation and commissioning



This item includes:



| | | | |
|--|---|---------------------------------------|---|
| Item No.: 770-514 | 1 | Item No.: 770-234 | 1 |
| Strain relief housing; 4-pole; for 2 cables; 9.0 ... 13.0 mm; 55 mm; white | | Plug; 4-pole; Cod. A; 4,00 mm²; white | |

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

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

Connection data

| | | | |
|----------------------------|----------------------|--|----------------------------------|
| Connection points | 8 | Connection 1 | |
| Total number of potentials | 4 | Connection technology | Push-in CAGE CLAMP® |
| PE function | Preceding PE contact | Actuation type | Operating tool Push-in |
| | | Nominal cross-section | 4 mm² / 12 AWG |
| | | Solid conductor | 0.5 ... 4 mm² / 20 ... 12 AWG |
| | | Solid conductor; push-in termination | 1.5 ... 4 mm² / 16 ... 12 AWG |
| | | Stranded conductor | 0.5 ... 2.5 mm² / 20 ... 14 AWG |
| | | Fine-stranded conductor | 0.5 ... 4 mm² / 20 ... 12 AWG |
| | | Fine-stranded conductor; with insulated ferrule | 0.25 ... 1.5 mm² / 20 ... 16 AWG |
| | | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm² / 20 ... 14 AWG |
| | | Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG |
| | | Strip length | 9 mm / 0.35 inches |
| | | Pole number | 4 |
| | | Connectable sheathed cable diameter | 9 ... 13 mm |
| | | Conductor entry direction to mating direction | 0° |
| | | Strip length (outer insulation) | 55 mm |

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 44.6 mm / 1.756 inches |
| Height | 17 mm / 0.669 inches |
| Depth | 76 mm / 2.992 inches |



| Mechanical data | |
|---|--|
| Application | General mains applications |
| Coding | A |
| Variable coding | Yes |
| Marking | 1/L' 2/L N |
| Potential marking | 1/L' 2/L N |
| Mating force of a plug-in connection | approx. 20 ... 70 N (depending on pole number) |
| Retention force of a plug-in connection | 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 |
| Protection type | IP20; When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

| Plug-in connection | |
|------------------------------------|--|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type) | for conductor |
| 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 | Can be retrofitted |
| 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). |
| Strain relief | Strain relief housing |

| Material data | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | white |
| Cover color | gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 0.577 MJ |
| Connector color | white |
| Strain relief color | white |
| Weight | 24.9 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) | |
| eCl@ss 10.0 | 27-44-06-05 | |
| eCl@ss 9.0 | 27-44-06-05 | |
| ETIM 8.0 | EC002560 | |
| ETIM 7.0 | EC002560 | |
| PU (SPU) | 25 pcs | |
| Packaging type | Box | |
| Country of origin | DE | |
| GTIN | 4044918254489 | |
| Customs tariff number | 85366990990 | |

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

Approvals / Certificates

| General approvals | | | Declarations of conformity and manufacturer's declarations | | |
|--|-----------|-----------|--|----------|------------------|
|      | | | Approval | Standard | Certificate Name |
| CCA DEKRA Certification B.V. | EN 61535 | 71-123228 | EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| CCA DEKRA Certification B.V. | IEC 61535 | NL -84761 | | | |
| cURus Underwriters Laboratories Inc. | UL 1977 | E45171 | | | |
| cURus Underwriters Laboratories Inc. | UL 1059 | E 45172 | | | |
| VDE VDE Prüf- und Zertifizie- rungsinstitut | EN 61984 | 40002889 | | | |
| VDE VDE Prüf- und Zertifizie- rungsinstitut | EN 61535 | 40029808 | | | |

| Approvals for marine applications | | |
|--|-----------|------------------|
|    | | |
| Approval | Standard | Certificate Name |
| ABS American Bureau of Ship- ping | - | 19-HG1868589-PDA |
| DNV GL Det Norske Veritas, Ger- manischer Lloyd | - | TAE00001Z6 |
| LR Lloyds Register | IEC 61984 | LR22429487TA |



Downloads

Environmental Product Compliance

| |
|--|
| Compliance Search |
| Environmental Product Compliance 770-134 |
| |

Documentation

| | | | |
|----------------------------|------------|-----------------|--|
| Bid Text | | | |
| 770-134 | 08.06.2015 | doc 23.50 KB | |
| 770-134 | 19.02.2019 | xml 3.01 KB | |
| ausschreiben.de 770-134 | | | |
| | | | |

CAD/CAE-Data

| |
|----------------------|
| CAD data |
| 2D/3D Models 770-134 |
| |

| |
|------------------------------|
| CAE data |
| EPLAN Data Portal 770-134 |
| |
| WSCAD Universe 770-134 |
| |
| ZUKEN Portal 770-134 |
| |

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9994/106-102
pre-assembled connecting cable; Eca;
Socket/open-ended; 4-pole; Cod. A;
H05VV-F 4G 1.5 mm²; 1 m; 1,50 mm²; white

Item No.: 771-9994/006-102
pre-assembled interconnecting cable;
Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 1 m; 1,50 mm²; white

1.1.2 Distribution connector



Item No.: 770-994
h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white



Item No.: 770-995
h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; white



Item No.: 770-6224
Linect® T-connector; 4-pole; Cod. A; 1 input; 2 outputs; white



Item No.: 770-676
T-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; white



Item No.: 770-677
T-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; white



1.1.3 Female connector/socket



Item No.: 770-724
Snap-in socket; 4-pole; Cod. A; 4,00 mm²; white



Item No.: 770-724/009-000
Snap-in socket; with protruding mating face; 4-pole; Cod. A; 4,00 mm²; white



Item No.: 770-824/011-000
Socket for PCBs; angled; 4-pole; Cod. A; white



Item No.: 770-824
Socket for PCBs; straight; 4-pole; Cod. A; white



Item No.: 770-224
Socket; 4-pole; Cod. A; 4,00 mm²; white



Item No.: 770-124
Socket; with strain relief housing; 4-pole; Cod. A; 4,00 mm²; white

1.2 Required Accessories

1.2.1 Locking system

1.2.1.1 Locking system



Item No.: 770-101
Locking lever; for flying leads; for manual operation; black



Item No.: 770-121
Locking lever; for flying leads; for manual operation; white



Item No.: 770-111
Locking lever; for flying leads; for tool operation; black



Item No.: 770-131
Locking lever; for flying leads; for tool operation; white

1.3 Optional Accessories

1.3.1 Cover

1.3.1.1 Cover



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



Item No.: 897-2005
Protective cap; Type4; for sockets and plugs; PVC; red

1.3.2 Marking

1.3.2.1 Marker



Item No.: 770-450/000-006
Marker card; Plastic; blue



Item No.: 770-450/000-001
Marker card; Plastic; green



Item No.: 770-450/000-012
Marker card; Plastic; orange



Item No.: 770-450/000-005
Marker card; Plastic; red



Item No.: 770-450
Marker card; Plastic; white



Item No.: 770-450/000-002
Marker card; Plastic; yellow

1.3.3 Tool

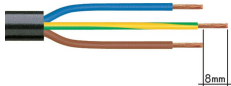
1.3.3.1 Operating tool



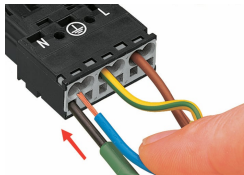
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Installation Notes

Conductor termination



- 1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
- 2. Strip length = 9 mm
- 3. Extended ground conductor = 8 mm



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

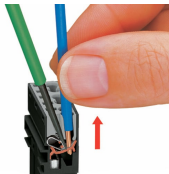


Insert the stripped solid conductor until it hits the backstop.



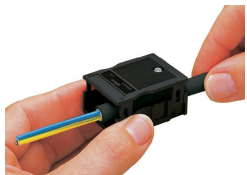
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

Conductor removal

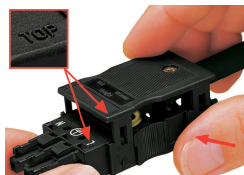


To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

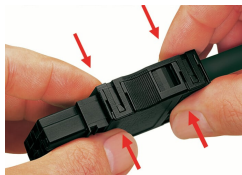
Installation



We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



Latch the strain relief housing onto the plug/socket. Note the "TOP" inscription.



Prepare strain relief housing by snapping together upper and bottom part.



Tighten strain relief screw with screwdriver (2.5 mm blade width).