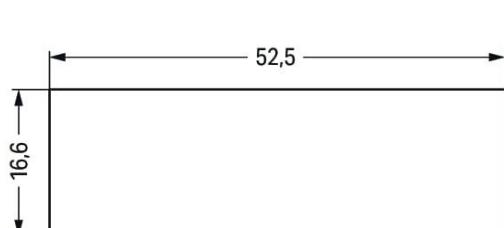
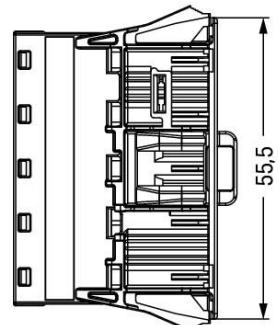
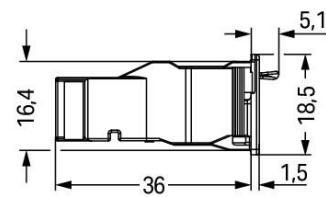


Color: ■



Dimensions in mm

Plate thickness: 0.5 ... 2 mm

Cutout tolerance: + 0.1 mm

Please note!

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## Item description

### Male connector/plug *WINSTA*® MIDI B coding

The *WINSTA*® MIDI male connector/plug rated current 25 A is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors are used when specifications repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is equipped 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!)). This means that users' fingers will never come into contact with electrified contact elements. Solutions like the *WINSTA*® MIDI pluggable installation connectors with B coding are appropriate for applications involving process control, such as for lighting or within data networks. This pluggable installation connector can be employed for a load of up to 25 A. Thus, it can also be used for high power loads. The *WINSTA*® MIDI product line guarantees flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers flexibility for meeting an enormous variety of installation requirements.

### ***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. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with locking lever from WAGO.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- for automation controllers
- exact dimensions
- convenient installation and commissioning

## Data Notes

### Note

The snap-in connectors must be relieved of tensile and transverse forces.  
A surface finish can influence the edge radius of the cutouts.  
This may affect the snap-in socket fit, so ensure an adequate fit before use.  
In addition, the punched edge should be on the inside for punched cutouts.  
The wings of the snap-in connectors must not be mechanically

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

stressed for a long period before use (e.g., due to a pre-locking position).

#### Variants:

Other pole markings

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

## 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) $\triangleq$ Overvoltage category III / Pollution degree 3

### Ratings per IEC/EN – Notes

Note (rated current)	25 A for 3-pole load 20 A for 4- and 5-pole load
----------------------	---

### 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 m $\Omega$ of contact resistance approx. 0.25 m $\Omega$ contact transition plug/socket
----------------------------	--

### Connection data

Connection points	10
Total number of potentials	5

### Connection 1

Connection technology	Push-in CAGE CLAMP <sup>®</sup>
-----------------------	---------------------------------

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Actuation type	Operating tool Push-in
Nominal cross-section	4 mm <sup>2</sup> / 12 AWG
Solid conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Solid conductor; push-in termination	1.5 ... 4 mm <sup>2</sup> / 16 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm <sup>2</sup> / 20 ... 14 AWG
Fine-stranded conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup> / 20 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm <sup>2</sup> / 16 AWG
Strip length	9 mm / 0.35 inches
Pole number	5
Conductor entry direction to mating direction	0 °

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	55.5 mm / 2.185 inches
Height	18.5 mm / 0.728 inches
Depth	41.1 mm / 1.618 inches

## Mechanical Data

Application	Control technology
Coding	B
Variable coding	Yes
Marking	5 4 3 2 1
Potential marking	5 4 3 2 1
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
Housing sheet thickness	0.5 ... 2 mm / 0.02 ... 0.079 inches
Mounting type	Snap-in flange
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)	Male connector/plug
------------------------------------	---------------------

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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	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).

## Material data

### Note (material data)

Information on material specifications can be found [here](#)

Color	gray
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	0.522 MJ
Weight	18 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	27-44-06-02
eCl@ss 9.0	27-44-06-02
ETIM 8.0	EC002566

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ETIM 7.0	EC002566
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143594356
Customs tariff number	85366990990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
	CCA DEKRA Certification B.V.	EN 61984	2173495.01
	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	-	-
	UK-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-

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PDA



DNV GL

Det Norske Veritas, Germanischer Lloyd

TAE00001Z6



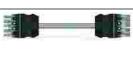
LR

Lloyds Register

IEC 61984

LR22429487TA

## Counterpart

**Item no. 770-245**Socket; 5-pole; Cod. B; 4,00 mm<sup>2</sup>; gray[www.wago.com/770-245](http://www.wago.com/770-245)**Item no. 771-9995/105-103**pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; (H)05VV-F 5x1,0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; gray[www.wago.com/771-9995/105-103](http://www.wago.com/771-9995/105-103)**Item no. 771-9995/005-103**pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; (H)05VV-F 5x1,0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; gray[www.wago.com/771-9995/005-103](http://www.wago.com/771-9995/005-103)

## Optional accessories

### Cover

Cover

**Item no.: 770-695**

Lockout cap; 5-pole; for cutouts; Plastic; white

[www.wago.com/770-695](http://www.wago.com/770-695)**Item no.: 770-645**

Lockout cap; 5-pole; for cutouts; Plastic; black

[www.wago.com/770-645](http://www.wago.com/770-645)**Item no.: 770-360**

Lockout cap; for plugs; 5-pole; separable; yellow

[www.wago.com/770-360](http://www.wago.com/770-360)

### Tool

Operating tool

**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)

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## Downloads

### Documentation

#### Bid Text

770-755	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	
770-755	2015 Jun 8	doc	Download
doc - Datei		24.1 kB	

## CAD/CAE-Data

### CAE data

EPLAN Data Portal 770-755	URL	Download
ZUKEN Portal 770-755	URL	Download
WSCAD Universe 770-755	URL	Download

### CAD data

2D/3D Models 770-755	URL	Download
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## Asset Administration Shell

Asset Administration Shell 770-755	URL	Download
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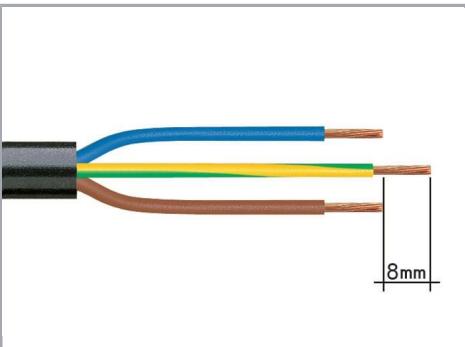
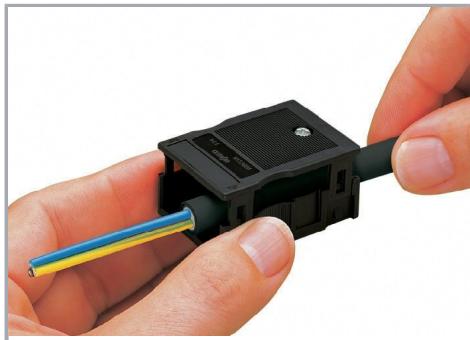
## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 770-755	URL	Download
Snap-in plug; 5-pole; Cod. B; 4,00 mm <sup>2</sup> ; gray		

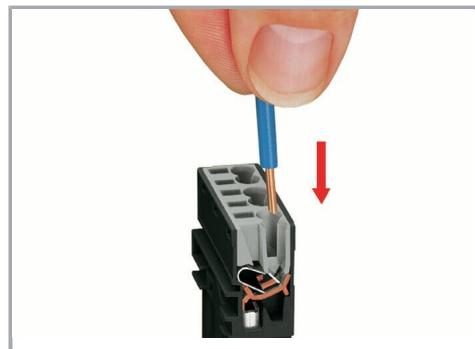
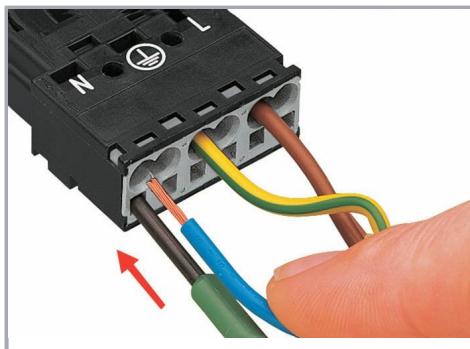
## Installation Notes

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



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.

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.

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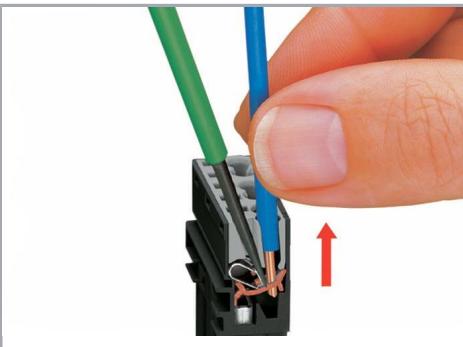
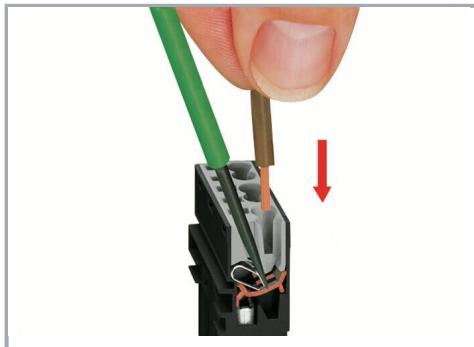
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To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

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

## Product family

**WINSTA® MIDI**

[Show all products from the family](#)

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