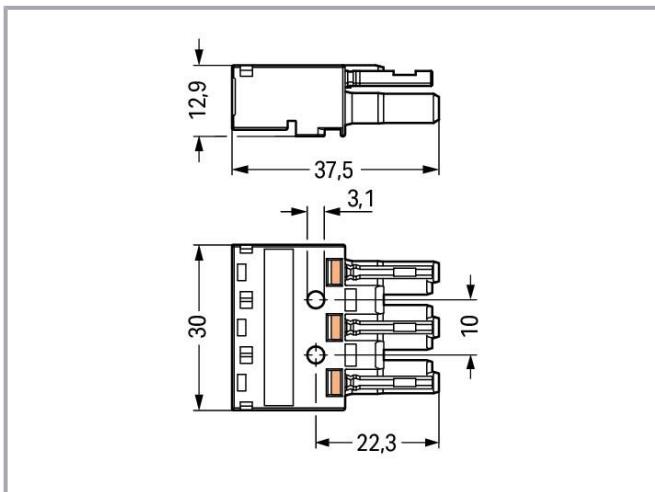
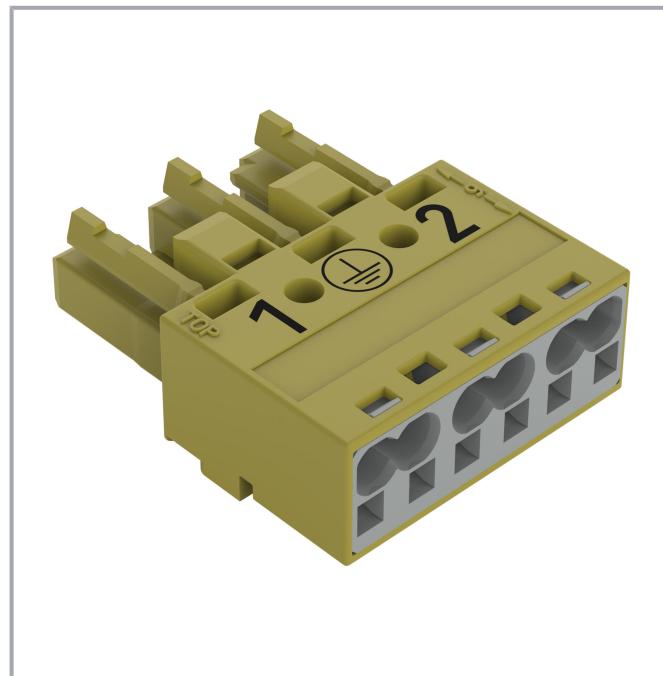


Color:

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

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Do you have any questions about our products?  
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## Item description

### Female connector/socket **WINSTA® MIDI** with protection against mismatching

The **WINSTA® MIDI** female connector/socket rated current 25 A is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in next to no time. 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 offers touch-proof protection with live components 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!)). B coding enables the **WINSTA® MIDI** pluggable installation connectors to be used for control in applications in the domains of automation, robotics, and mechanical engineering. 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 precise electrification. Thanks to the built-in test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and costs.

### Lower costs through fast commissioning and elimination of service expenses – solutions from **WINSTA® MIDI**

The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – with protection type IP20 from WAGO makes the electrical installation of electrical components visibly easier.

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

- 
- pluggable installation connectors with protection against mismatching
- simple circuits
- with B coding for controllers such as lighting fixtures and sun blinds
- exact dimensions
- 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

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

## Connection data

Connection points	6
Total number of potentials	3

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

## Connection 1

Connection technology	Push-in CAGE CLAMP®
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	3
Conductor entry direction to mating direction	0 °

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 inches
Height	12.9 mm / 0.508 inches
Depth	37.5 mm / 1.476 inches

## Mechanical Data

Application	Control technology
Coding	B
Variable coding	Yes
Marking	1 $\pm$ 2
Potential marking	1 $\pm$ 2
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!)

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

## Plug-in connection

Contact type (pluggable connector)	Female connector/socket
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).

## Material data

### Note (material data)

Information on material specifications can be found here

Color	light green
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	0.178 MJ
Weight	9.6 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

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

## Commercial data

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)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821553397
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

	<b>Item no.770-273/073-000</b> Plug; 3-pole; Cod. B; 4,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/770-273/073-000">www.wago.com/770-273/073-000</a>
	<b>Item no.770-773/073-000</b> Snap-in plug; 3-pole; Cod. B; 4,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/770-773/073-000">www.wago.com/770-773/073-000</a>

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



Item no. 770-873/011-000/073-000

Plug for PCBs; angled; 3-pole; Cod. B; light green

[www.wago.com/770-873/011-000/073-000](http://www.wago.com/770-873/011-000/073-000)



Item no. 770-873/073-000

Plug for PCBs; straight; 3-pole; Cod. B; light green

[www.wago.com/770-873/073-000](http://www.wago.com/770-873/073-000)

## Required accessories

### Locking levers

Locking system



Item no.: 770-121

Locking lever; for flying leads; for manual operation; white

[www.wago.com/770-121](http://www.wago.com/770-121)



Item no.: 770-131

Locking lever; for flying leads; for tool operation; white

[www.wago.com/770-131](http://www.wago.com/770-131)



Item no.: 770-101

Locking lever; for flying leads; for manual operation; black

[www.wago.com/770-101](http://www.wago.com/770-101)



Item no.: 770-111

Locking lever; for flying leads; for tool operation; black

[www.wago.com/770-111](http://www.wago.com/770-111)

## Optional accessories

### 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)



Item no.: 770-383

Operating tool; 3-way; green

[www.wago.com/770-383](http://www.wago.com/770-383)

### Strain relief

Strain relief housing



Item no.: 770-503

Strain relief housing; 3-pole; for 2 cables; 8.0 ... 11.5 mm; 55 mm; black

[www.wago.com/770-503](http://www.wago.com/770-503)



Item no.: 770-503/023-000

Strain relief housing; 3-pole; for 2 cables; 4.5 ... 8.0 mm; 55 mm; black

[www.wago.com/770-503/023-000](http://www.wago.com/770-503/023-000)

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

	<b>Item no.: 770-503/021-000</b> Strain relief housing; 3-pole; for 1 cable; 9.0 ... 13.0 mm; 71 mm; black	<a href="http://www.wago.com/770-503/021-000">www.wago.com/770-503/021-000</a>
	<b>Item no.: 770-503/035-000</b> Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm; black	<a href="http://www.wago.com/770-503/035-000">www.wago.com/770-503/035-000</a>
	<b>Item no.: 770-503/038-000</b> Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm; black	<a href="http://www.wago.com/770-503/038-000">www.wago.com/770-503/038-000</a>
	<b>Item no.: 770-503/032-000</b> Strain relief housing; 3-pole; with locking clip; for 2 cables; 8.0 ... 11.5 mm; 55 mm; black	<a href="http://www.wago.com/770-503/032-000">www.wago.com/770-503/032-000</a>
	<b>Item no.: 770-513/038-000</b> Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm; white	<a href="http://www.wago.com/770-513/038-000">www.wago.com/770-513/038-000</a>
	<b>Item no.: 770-513</b> Strain relief housing; 3-pole; for 2 cables; 8.0 ... 11.5 mm; 55 mm; white	<a href="http://www.wago.com/770-513">www.wago.com/770-513</a>
	<b>Item no.: 770-513/021-000</b> Strain relief housing; 3-pole; for 1 cable; 9.0 ... 13.0 mm; 71 mm; white	<a href="http://www.wago.com/770-513/021-000">www.wago.com/770-513/021-000</a>
	<b>Item no.: 770-513/032-000</b> Strain relief housing; 3-pole; for 2 cables; 8.0 ... 11.5 mm; 55 mm; white	<a href="http://www.wago.com/770-513/032-000">www.wago.com/770-513/032-000</a>
	<b>Item no.: 770-513/035-000</b> Strain relief housing; 3-pole; with locking clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm; white	<a href="http://www.wago.com/770-513/035-000">www.wago.com/770-513/035-000</a>
	<b>Item no.: 770-513/023-000</b> Strain relief housing; 3-pole; for 2 cables; 4.5 ... 8.0 mm; 55 mm; white	<a href="http://www.wago.com/770-513/023-000">www.wago.com/770-513/023-000</a>
<b>Marking accessories</b>		
Marker		
	<b>Item no.: 770-450/000-002</b> Marker card; Plastic; yellow	<a href="http://www.wago.com/770-450/000-002">www.wago.com/770-450/000-002</a>
	<b>Item no.: 770-450/000-001</b> Marker card; Plastic; green	<a href="http://www.wago.com/770-450/000-001">www.wago.com/770-450/000-001</a>

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



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

[www.wago.com/770-450/000-005](http://www.wago.com/770-450/000-005)



**Item no.: 770-450**  
Marker card; Plastic; white

[www.wago.com/770-450](http://www.wago.com/770-450)



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

[www.wago.com/770-450/000-006](http://www.wago.com/770-450/000-006)



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

[www.wago.com/770-450/000-012](http://www.wago.com/770-450/000-012)

## Cover

Cover



**Item no.: 770-201**  
Lockout cap; 12-pole, separable; for sockets; Plastic; black

[www.wago.com/770-201](http://www.wago.com/770-201)



**Item no.: 770-221**  
Lockout cap; 12-pole, separable; for sockets; Plastic; white

[www.wago.com/770-221](http://www.wago.com/770-221)

## Mounting

Mounting accessories



**Item no.: 770-318**  
Snap-in frame; 3-pole; 1.0 ... 3.0 mm; black

[www.wago.com/770-318](http://www.wago.com/770-318)



**Item no.: 770-338**  
Snap-in frame; 3-pole; 1.0 ... 3.0 mm; white

[www.wago.com/770-338](http://www.wago.com/770-338)

## Downloads

### Documentation

#### Bid Text

770-263/073-000	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	
770-263/073-000	2015 Jun 8	doc	Download
doc - Datei		24.6 kB	

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## CAD/CAE-Data

### CAD data

2D/3D Models 770-263/073-000	URL	Download
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### CAE data

WSCAD Universe 770-263/073-000	URL	Download
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WSCAD Universe 770-263/073-000	URL	Download
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ZUKEN Portal 770-263/073-000	URL	Download
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### Asset Administration Shell

Asset Administration Shell 770-263/073-000	URL	Download
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## Environmental Product Compliance

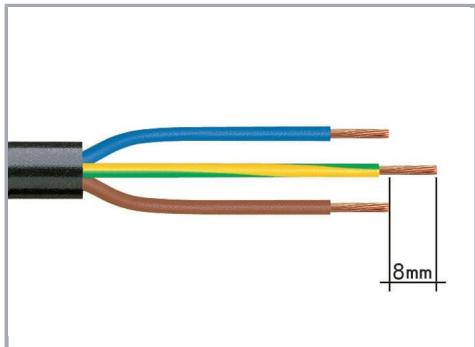
### Compliance Search

Environmental Product Compliance 770-263/073-000 Socket; 3-pole; Cod. B; 4,00 mm <sup>2</sup> ; light green	URL	Download
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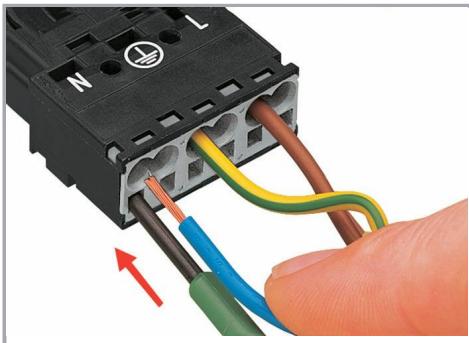
## Installation Notes

### Conductor termination

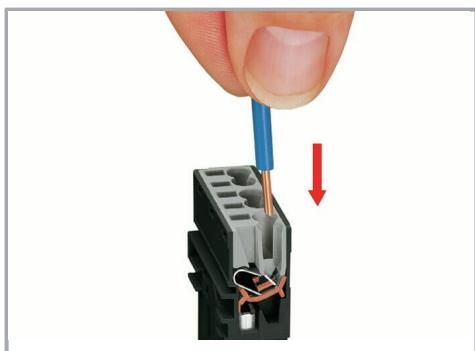
Subject to changes. Please also observe the further product documentation!



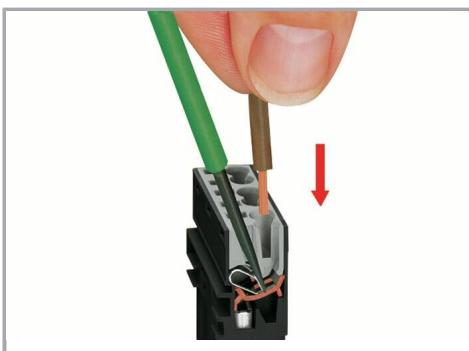
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



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.

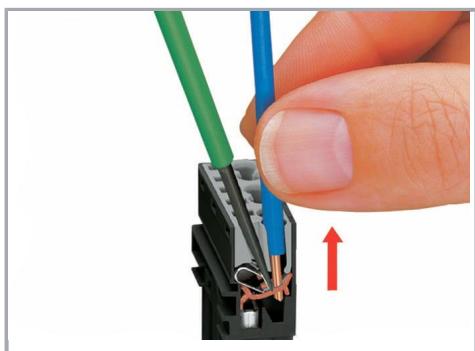


Insert the stripped solid conductor until it hits the backstop.



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.

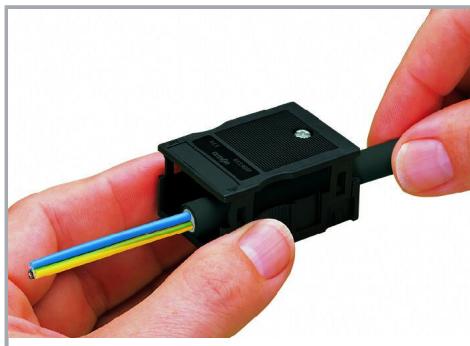
#### Conductor removal



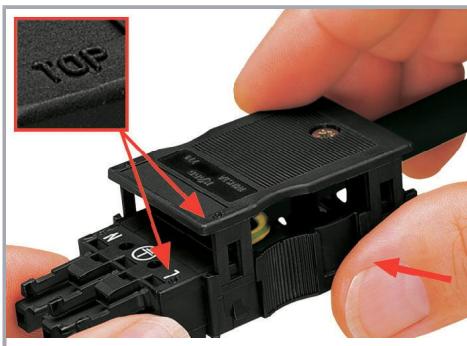
To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

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

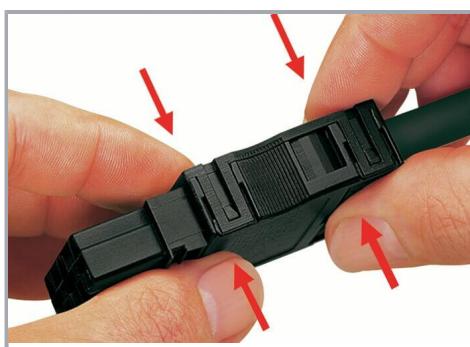
#### Installation



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.

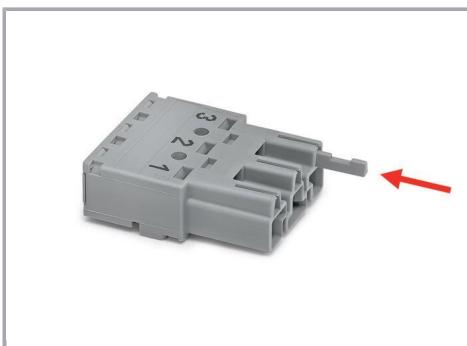


Tighten strain relief screw with screwdriver (2.5 mm blade width).

#### Coding



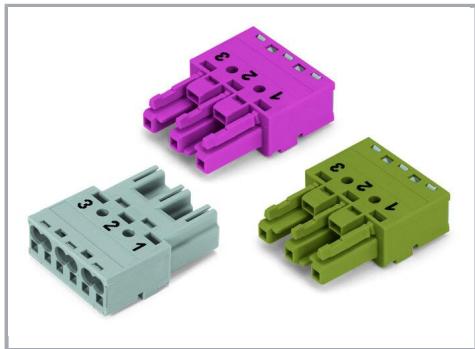
Simply cut off the coding pin from the socket.



Insert coding pin into plug (break first) until it engages.

#### Mismating protection

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

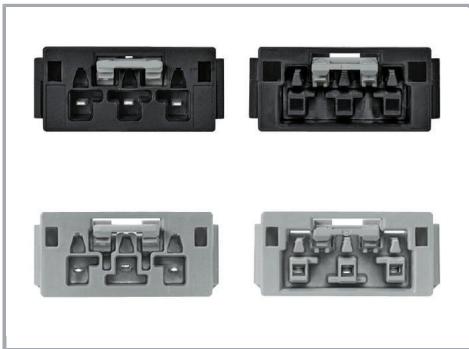


B-coded connectors with different colors can be plugged together.

Important note:

Different colors and/or pole markings are used for circuit identification.

Only connectors of the same color and same pole marking must be plugged together.



B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.



Easy circuit identification via different marking and colors

## Product family

### WINSTA® MIDI

[Show all products from the family](#)

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

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