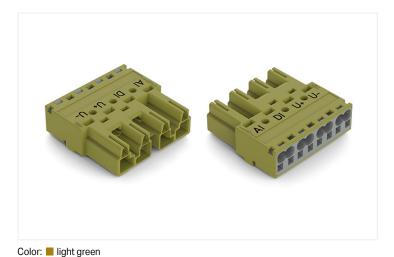
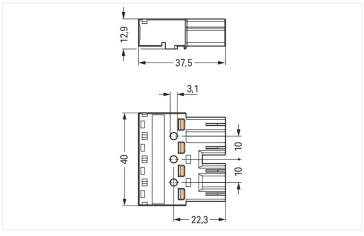
Plug; 4-pole; Cod. B; 4,00 mm²; light green

https://www.wago.com/770-274/072-000







Dimensions in mm

Male connector/plug WINSTA® MIDI 4-pole

For power and signal transmission: The WINSTA® MIDI male connector/plug 4-pole. 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 no time flat. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector is protected 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!)). That results in the fact that users' fingers will never come into contact with energised elements. B coding enables the WINSTA® MIDI pluggable installation connectors to be used for application control in automation, robotics, and mechanical engineering. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. Our WINSTA® MIDI product line guarantees total flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it achieves time-saving, error-free installation and offers customization for meeting an enormous variety of installation requirements.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pluggable installation connectors with marking from WAGO.

- · pluggable installation connectors with protection against mismating
- for automation controllers
- with B coding for controllers, for example sun blinds and lighting fixtures
- · flexible installation to save space
- quick replacement of defective units during ongoing operation

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	C/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	-	-		

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General information

Note on contact resistance approx. 1 $m\Omega$ of contact resistance

approx. 0.25 m Ω contact transition plug/

Connection 1	
Connection 1	
Connection technology	Push-in CAGE CLAMP®
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
Conductor entry direction to mating direction	0°
	Actuation type Nominal cross-section Solid conductor Solid conductor; push-in termination Stranded conductor Fine-stranded conductor Fine-stranded conductor; with insulated ferrule Fine-stranded conductor; with uninsulated ferrule Fine-stranded conductor; with ferrule; push-in termination Strip length Pole number Conductor entry direction to mating di-

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	40 mm / 1.575 inches
Height	12.9 mm / 0.508 inches
Depth	37.5 mm / 1.476 inches

Mechanical data	
Application	Control technology
Coding	В
Variable coding	Yes
Marking	AI DI U+ U-
Potential marking	AI DI U+ U-
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!)

Data Sheet | Item Number: 770-274/072-000 https://www.wago.com/770-274/072-000



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).

Material data	
Note (material data)	Information on material specifications can be found here
Color	light green
Cover color	gray
Material group	1
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.261 MJ
Weight	13.1 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	
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)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821555698
Customs tariff number	85366990990

https://www.wago.com/770-274/072-000



Environmental Product Compliance

RoHS Compliance Status Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
cURus Underwriters Laboratories Inc.	UL 1977	E45171
cURus Underwriters Laboratories Inc.	UL 1059	E 45172

Downloads

Environmental Product Compliance

Compliance Search Environmental Product Compliance 770-274/072-000

Documentation			
Bid Text			
770-274/072-000	19.02.2019	xml 2.97 KB	$\underline{\downarrow}$
770-274/072-000	08 06 2015	doc 24.00 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 770-274/072-000	WSCAD Universe 770-274/072-000
	ZUKEN Portal 770-274/072-000

https://www.wago.com/770-274/072-000



1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



Locking lever; for flying leads; for manual

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

1.1.2 Strain relief

Item No.: 770-101

operation; black

1.1.2.1 Strain relief housing

Item No.: 770-504/023-000

5.0 ... 9.0 mm; 55 mm; black



Strain relief housing; 4-pole; for 2 cables;

Item No.: 770-514/023-000 Strain relief housing; 4-pole; for 2 cables; 5.0 ... 9.0 mm; 55 mm; white



Item No.: 770-504 Strain relief housing; 4-pole; for 2 cables; 9.0 ... 13.0 mm; 55 mm; black

Item No.: 770-514

Strain relief housing; 4-pole; for 2 cables; 9.0 ... 13.0 mm; 55 mm; white

No de la

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-360

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



Item No.: 897-2005

Protective cap; Type4; for sockets and plugs; PVC; red

1.2.2 Installation

1.2.2.1 Mounting accessories





Item No.: 770-319

Snap-in frame; 4-pole; 1.0 ... 3.0 mm; black

Item No.: 770-339

Snap-in frame; 4-pole; 1.0 ... 3.0 mm; whi-

1.2.3 Marking

1.2.3.1 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.: 770-450/000-002 Marker card; Plastic; yellow



1.2.4 Tool

1.2.4.1 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).

Coding



Simply cut off the coding pin from the socket.



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

https://www.wago.com/770-274/072-000



Mismating protection



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

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

Current addresses can be found at:: www.wago.com

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