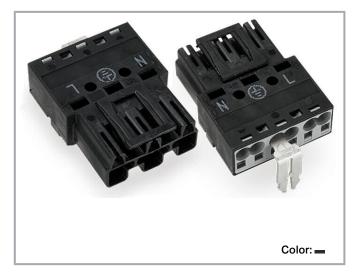
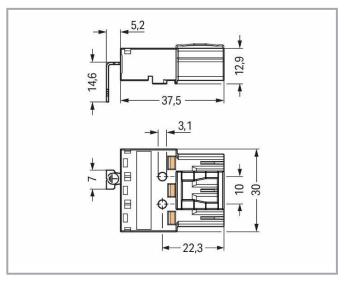
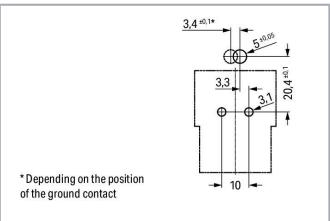
Plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-213/002-000









Item description

Male connector/plug WINSTA® MIDI with protection against mismating

For signal and power transmission: The WINSTA® MIDI male connector/plug 3-pole. The pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow flexible, error-free installation in numerous possible uses. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20. The WINSTA® MIDI pluggable

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

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-213/002-000



installation connector with A coding in white or black is normally used for general mains applications in power distribution. 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 included test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and costs.

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

The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, more reliable, and error-free. Using this pre-assembled system reduces assembly times and errors during installation at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with locking lever from WAGO.

- effective protection against mismating
- simple circuits
- suitable for any application
- ready for immediate use
- rapid, structured electrical installation

Data Notes

Safety information	Application note for the U.S. market (USR): 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.
Note	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).

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V

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

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

21.01.2024 Page 2/8

www.wago.com/770-213/002-000



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 information

Note on contact resistance	approx. 1 m Ω of contact resistance
	approx. 0.25 m Ω contact transition plug/socket

Connection data

Connection points	6
Total number of potentials	3
PE function	Preceding PE contact

Connection 1

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

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

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-213/002-000



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
Drilled hole diameter with tolerance	5 (-0.05 ±0.05) mm

Mechanical Data

Application	General mains applications
Coding	A
Variable coding	Yes
Marking	N <u>↓</u> L
Potential marking	N ÷ L
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
Design	With direct ground contact
Protection type	IP20

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	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).

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-213/002-000



Material data

Note (material data)

Information on material specifications can be found here

Color	black
Cover color	gray
Material group	l
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	0.228 MJ
Weight	11.4 g

Environmental requirements

Processing temperature	-5 +40 °C
Continuous operating temperature	-35 +85 ℃
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Commercial data

27-44-06-05
27-44-06-05
EC002560
EC002560
100 pcs
box
DE
4045454072421
85366990990

Environmental Product Compliance

RoHS Compliant, No Exemption

Approvals / Certificates

General approvals

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

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-213/002-000



Certificate

Logo Approval Additional Approval Text Certificate name

cURus UL 1059 E 45172

c **FL** us

Underwriters Laboratories Inc.

Approvals for marine applications

 Logo
 Approval
 Additional Approval Text
 name

 LR
 IEC 61984
 LR22429487TA



Lloyds Register

Counterpart

Item no.770-103 Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; black	www.wago.com/770-103
Item no.770-203 Socket; 3-pole; Cod. A; 4,00 mm²; black	www.wago.com/770-203
	Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; black Item no.770-203



Item no.770-203/035-000 Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; black www.wago.com/770-203/035-000

lte

Item no.771-9993/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; black

www.wago.com/771-9993 /006-101

Item no.771-9993/106-101 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1

www.wago.com/771-9993 /106-101

Required accessories

Locking levers

Locking system



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

www.wago.com/770-121

Item no.: 770-131

m; 1,50 mm²; black

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

www.wago.com/770-131

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

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-213/002-000





Item no.: 770-101

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

www.wago.com/770-101



Item no.: 770-111

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

www.wago.com/770-111

Cover

Cover



Item no.: 770-360

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

www.wago.com/770-360

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

Downloads

Documentation

Bid Text

770-213/002-000 X81 - Datei	2019 Feb 19	xml 3.2 kB	Download
770-213/002-000 doc - Datei	2015 Jun 8	doc 24.1 kB	Download

CAD/CAE-Data

CAE data

CAD data

2D/3D Models 770-213/002-000 URL Download

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

WAGO GmbH & Co. KG Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

21.01.2024 Page 7/8

www.wago.com/770-213/002-000



Asset Administration Shell

Asset Administration Shell 770-213/002-000 URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-213/002-000

Plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm²; black

URL Download

Installation Notes

Product family

WINSTA® MIDI

Show all products from the family

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.