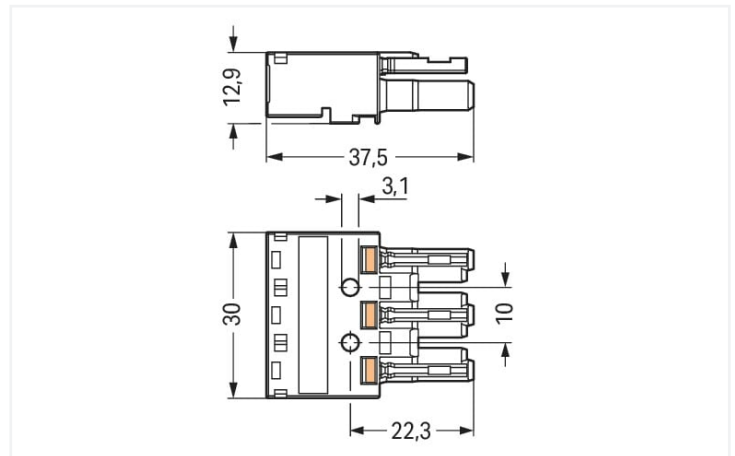




Color: ■ black



Dimensions in mm

Female connector/socket *WINSTA*® MIDI rated current 25 A

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MIDI female connector/socket rated current 25 A. WAGO pluggable installation connectors can be used when criteria repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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!)). Thanks to the color coding and mechanical A coding of *WINSTA*® MIDI pluggable installation connectors, you can clearly distinguish different circuits. The rated current and voltage are important criteria for selecting a pluggable installation connector: They provide information about possible domains of use and applications. This product has a current rating of 25 A – so it is also suitable for robust loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy, flexible, and secure electrical installation.

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

The *WINSTA*® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and errors during installation at the construction site. Now you can also reduce installation expenses without compromising quality and safety: with protection type IP20 reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- pre-assembled versions
- with A coding for use in many general mains applications
- exact dimensions
- convenient installation and commissioning



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	250 V	-	-		
Rated surge voltage	4 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	6	Connection 1	
Total number of potentials	3	Connection technology	Push-in CAGE CLAMP®
Number of test slots	3	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	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	General mains applications
Coding	A
Variable coding	Yes
Marking	L N
Potential marking	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)	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)	<a href="#">Information on material specifications can be found here</a>
Color	black
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	0.165 MJ
Weight	9.7 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)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918252225
Customs tariff number	85366990990





Documentation

Bid Text			
770-203	19.02.2019	xml 3.01 KB	<a href="#">↓</a>
770-203	08.06.2015	doc 23.50 KB	<a href="#">↓</a>

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 770-203 <a href="#">↓</a>	EPLAN Data Portal 770-203 <a href="#">↓</a>
	WSCAD Universe 770-203 <a href="#">↓</a>
	ZUKEN Portal 770-203 <a href="#">↓</a>

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



**Item No.: 771-9993/206-101**  
pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; black



**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

1.1.2 Distribution box



**Item No.: 899-631/181-000**  
Distribution box; 230 V + DALI; 2 inputs; 6 outputs; Cod. A, I; MINI, MIDI; black



**Item No.: 899-631/405-000**  
Distribution box; 230 V + SMI; 2 inputs; 6 outputs; Cod. A, B; MINI, MIDI; black



**Item No.: 899-631/315-000**  
Distribution box; Cable and device protection; 1 input; 4 outputs; Cod. A; MIDI; black



**Item No.: 899-631/305-000**  
Distribution box; Crossover switching; 1 input; 5 outputs; Cod. A, B, S; MIDI; black



**Item No.: 899-631/309-000**  
Distribution box; Motion/presence detector; 1 input; 3 outputs; Cod. A, S; MIDI; black



**Item No.: 899-631/180-000**  
Distribution box; Motion/presence detector; 1 input; 5 outputs; Cod. A; MIDI; black



**Item No.: 899-632/102-000**  
Distribution box; Relay switching; 2 inputs; 1 output; Cod. A, B; MINI, MIDI; black



**Item No.: 899-631/386-000**  
Distribution box; Series switching; 1 input; 7 outputs; Cod. A, S; MIDI; black



**Item No.: 899-631/477-000**  
Distribution box; Single-phase current (230 V); 1 input; 11 outputs; Cod. A; MIDI; black



**Item No.: 899-631/334-000**  
Distribution box; Single-phase current (230 V); 1 input; 13 outputs; Cod. A; MIDI; black



**Item No.: 899-631/476-000**  
Distribution box; Single-phase current (230 V); 1 input; 4 outputs; Cod. A; MIDI; black



**Item No.: 899-631/104-000**  
Distribution box; Single-phase current (230 V); 1 input; 7 outputs; Cod. A; MIDI; black



**Item No.: 899-631/311-000**  
Distribution box; Single-phase current (230 V); 2 inputs; 6 outputs; Cod. A, P; MIDI; black



**Item No.: 899-631/327-000**  
Distribution box; Single-phase current (230 V); 2 inputs; 6 outputs; Cod. A; MIDI; black



**Item No.: 899-631/363-000**  
Distribution box; Single-pole switch circuit; 1 input; 5 outputs; Cod. A, S; MIDI; black



**Item No.: 899-631/478-000**  
Distribution box; Single-pole switch circuit; 1 input; 7 outputs; Cod. A, S; MIDI; black



1.1.2 Distribution box



**Item No.: 899-632/101-000**  
Distribution box; Surge switch circuit; 1 input; 4 outputs; Cod. A, S; MIDI; black



**Item No.: 899-632/138-000**  
Distribution box; Surge switch circuit; 1 input; 4 outputs; Cod. A, S; MIDI; black



**Item No.: 899-632/103-000**  
Distribution box; Surge switch circuit; 2 inputs; 2 outputs; Cod. A; MIDI; black



**Item No.: 899-631/308-000**  
Distribution box; Two-way circuit; 1 input; 5 outputs; Cod. A, S; MIDI; black



**Item No.: 899-631/189-000**  
Distribution box; Two-way circuit; 1 input; 7 outputs; Cod. A, S; MIDI; black

1.1.3 Distribution connector



**Item No.: 770-607**  
3-way distribution connector; 3-pole; Cod. A; 1 input; 3 outputs; black



**Item No.: 770-608**  
5-way distribution connector; 3-pole; Cod. A; 1 input; 5 outputs; outputs on both sides; black



**Item No.: 770-638**  
Distribution connector for switches; Single-pole and throttle two-way circuit; 3-pole; Cod. A/S; 1 input; 5 outputs; black



**Item No.: 770-637**  
Distribution connector for switches; Single-pole switch and series circuit; 3-pole; Cod. A/S; 1 input; 5 outputs; black



**Item No.: 770-633**  
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; black



**Item No.: 770-635**  
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; black



**Item No.: 770-634**  
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; black



**Item No.: 770-636**  
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; black



**Item No.: 770-606**  
T-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; black



**Item No.: 770-615**  
T-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; black

1.1.4 Male connector/plug



**Item No.: 770-813/011-000**  
Plug for PCBs; angled; 3-pole; Cod. A; black



**Item No.: 770-813**  
Plug for PCBs; straight; 3-pole; Cod. A; black



**Item No.: 770-213**  
Plug; 3-pole; Cod. A; 4,00 mm²; black



**Item No.: 770-213/002-000**  
Plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm²; black



**Item No.: 770-113**  
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; black



**Item No.: 770-213/035-000**  
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; black



**Item No.: 770-713**  
Snap-in plug; 3-pole; Cod. A; 4,00 mm²; black



**Item No.: 770-713/007-000**  
Snap-in plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm²; black

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



1.2.2 Strain relief

1.2.2.1 Strain relief housing



**Item No.: 770-503**  
Strain relief housing; 3-pole; for 2 cables;  
8.0 ... 11.5 mm; 55 mm; black

**Item No.: 770-513**  
Strain relief housing; 3-pole; for 2 cables;  
8.0 ... 11.5 mm; 55 mm; white

1.3 Optional Accessories

1.3.1 Cover

1.3.1.1 Cover



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

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

1.3.2 Installation

1.3.2.1 Mounting accessories



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

**Item No.: 770-338**  
Snap-in frame; 3-pole; 1.0 ... 3.0 mm; whi-  
te

1.3.3 Marking

1.3.3.1 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**  
Marker card; Plastic; white

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

1.3.4 Shield termination

1.3.4.1 Shield termination



**Item No.: 770-523**  
Shield connecting plate; 3-pole; for  
sockets and plugs; silver-colored



1.3.5 Strain relief

1.3.5.1 Strain relief housing



**Item No.: 770-503/021-000**  
Strain relief housing; 3-pole; for 1 cable;  
9.0 ... 13.0 mm; 71 mm; black



**Item No.: 770-513/021-000**  
Strain relief housing; 3-pole; for 1 cable;  
9.0 ... 13.0 mm; 71 mm; white



**Item No.: 770-503/023-000**  
Strain relief housing; 3-pole; for 2 cables;  
4.5 ... 8.0 mm; 55 mm; black



**Item No.: 770-513/023-000**  
Strain relief housing; 3-pole; for 2 cables;  
4.5 ... 8.0 mm; 55 mm; white



**Item No.: 770-513/032-000**  
Strain relief housing; 3-pole; for 2 cables;  
8.0 ... 11.5 mm; 55 mm; white



**Item No.: 770-503/035-000**  
Strain relief housing; 3-pole; with locking  
clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm;  
black



**Item No.: 770-503/038-000**  
Strain relief housing; 3-pole; with locking  
clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm;  
black



**Item No.: 770-513/035-000**  
Strain relief housing; 3-pole; with locking  
clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm;  
white



**Item No.: 770-513/038-000**  
Strain relief housing; 3-pole; with locking  
clip; for 1 cable; 7.0 ... 11.5 mm; 48 mm;  
white



**Item No.: 770-503/032-000**  
Strain relief housing; 3-pole; with locking  
clip; for 2 cables; 8.0 ... 11.5 mm; 55 mm;  
black

1.3.6 Tool

1.3.6.1 Operating tool



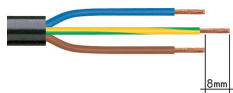
**Item No.: 770-383**  
Operating tool; 3-way; green



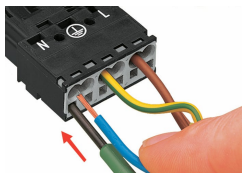
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a  
partially insulated shaft

Installation Notes

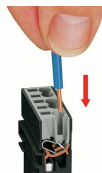
Conductor termination



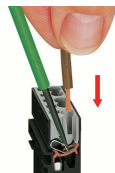
1. Strip length, outer insulation = 35 mm  
(2-pole), 55 mm (3- to 5-pole)  
2. Strip length = 9 mm  
3. Extended ground conductor = 8 mm



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

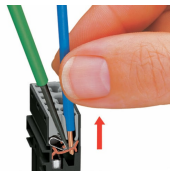


Insert the stripped solid conductor until it  
hits the backstop.



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.

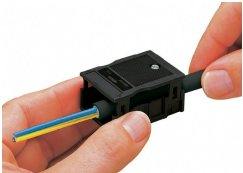
Conductor removal



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).