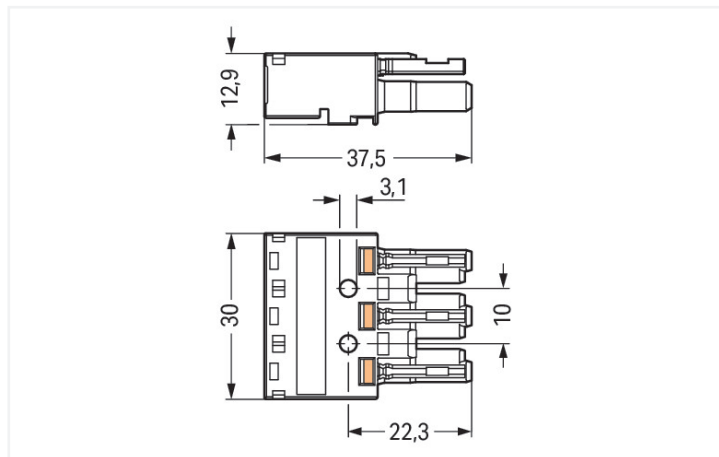




Color: ■ black



Dimensions in mm

Female connector/socket **WINSTA®** MIDI 3-pole

The **WINSTA®** MIDI female connector/socket with protection type IP20 allows installation of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in a large number of possible uses. The coding options reduce installation errors, allowing fast, maintenance-free 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!)). Standard mains applications for almost any domain of use can be implemented with **WINSTA®** MIDI pluggable installation connectors with A coding. This pluggable installation connector is designed for a load of up to 25 A. As a result, it can also be used for high power loads. **WINSTA®** MIDI with Push-in **CAGE CLAMP®** spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy and maximally flexible installation.

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

The **WINSTA®** Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose durability and quality – the **WINSTA®** MIDI pluggable installation connector with protection type IP20 from WAGO makes the installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismatching
- simple circuits
- with A coding for a large number of uses
- flexible installation to save space
- convenient installation and commissioning

**Electrical data**

Rated 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
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**Connection data**

Connection points	6
Total number of potentials	3
Number of test slots	3

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	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 <i>WINSTA</i> ® 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="https://www.wago.com/us/material-specifications" href="_blank">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	0.173 MJ
Weight	9.5 g

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**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 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; black

**Item No.: 771-9993/006-101**  
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; 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



**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



**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



**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



**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



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

1.1.2 Distribution box



**Item No.: 899-631/189-000**

Distribution box; Two-way circuit; 1 input; 7 outputs; Cod. A, S; MID; 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 mm<sup>2</sup>; black



**Item No.: 770-213/002-000**

Plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; black



**Item No.: 770-113**

Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; black



**Item No.: 770-213/035-000**

Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; black



**Item No.: 770-713**

Snap-in plug; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; black



**Item No.: 770-713/007-000**

Snap-in plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm<sup>2</sup>; 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