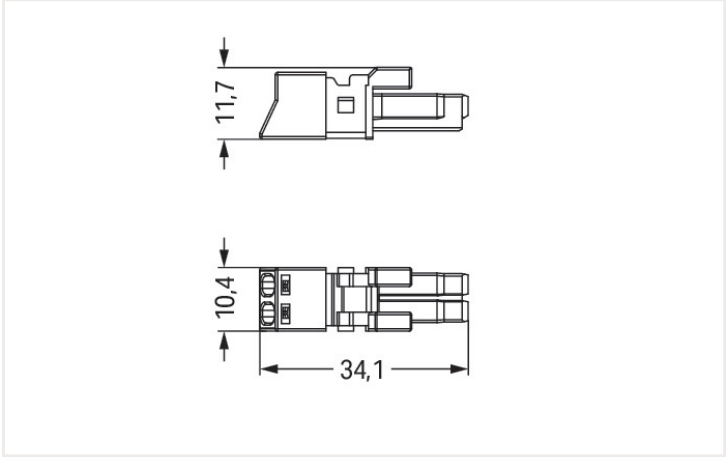


Color: ■ blue



Dimensions in mm

Female connector/socket WINSTA® MINI I coding

The WINSTA® MINI female connector/socket with protection against mismatching allows assembly of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. WINSTA® MINI pluggable installation connectors with I coding in blue are especially suitable for intelligent, for instance for the dimming of DALI lights. Thanks to its particularly compact dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very restricted spaces, i.e., for connections when very little room is available.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MINI pluggable installation connectors with protection against mismatching from WAGO.

- effective protection against mismatching
- easy tool-free operation, a wide range of coding options
- with I coding for controlling light (DALI standard)
- ready for immediate use
- convenient installation and commissioning

Electrical data			
Ratings per IEC/EN		Ratings per UL	
Ratings per	IEC/EN 60664-1	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 5 A and voltages up to 600 V. For further information, please contact your local sales office.
Nominal voltage (III/3)	250 V		
Rated impulse voltage (III/3)	4 kV		
Rated current	16 A	Rated voltage (UL 1977)	600 V
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3	Rated current UL 1977	14 A

General	
Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket

## Connection data

Connection points	2	<b>Connection 1</b>	
Total number of potentials	2	Connection technology	Push-in CAGE CLAMP®
		Actuation type	Operating tool Push-in
		Nominal cross-section	1.5 mm² / 16 AWG
		Solid conductor	0.25 ... 1.5 mm² / 22 ... 16 AWG
		Solid conductor; push-in termination	0.75 ... 1.5 mm² / 20 ... 16 AWG
		Stranded conductor	0.25 ... 1 mm² / 22 ... 18 AWG
		Fine-stranded conductor	0.25 ... 1.5 mm² / 22 ... 16 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG
		Fine-stranded conductor; with ferrule; push-in termination	0.75 mm² / 20 AWG
		Strip length	9 mm / 0.35 inches
		Pole number	2
		Conductor entry direction to mating direction	0°

## Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	10.4 mm / 0.409 inches
Height	11.7 mm / 0.461 inches
Depth	34.1 mm / 1.343 inches

## Mechanical Data

Application	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	+ -
Potential marking	+ -
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	Locked:
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; IP40 with strain relief housing

## 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 data can be found here</a>
Color	blue
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	0.052 MJ
Weight	2.6 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

## 1 Compatible products

### 1.1 System counterpart

#### 1.1.1 Cable assembly



**Item no.: 891-8982/206-101**

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; blue



**Item no.: 891-8982/006-101**

pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. I; H05VV-F 2 x 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; blue

#### 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.: 899-631/455-000**

Distribution box; 400 V + DALI; 2 inputs; 5 outputs; Cod. A, I; MINI, MIDI; black



**Item no.: 899-681/147-000**

Distribution box; 400 V + DALI; 2 inputs; 5 outputs; Cod. A, I; MINI, MIDI; white

#### 1.1.3 Distribution connector



**Item no.: 890-1904**

3-way distribution connector; 2-pole; Cod. I; 1 input; 3 outputs; blue



**Item no.: 890-1907**

5-way distribution connector; 2-pole; Cod. I; 1 input; 5 outputs; blue



**Item no.: 890-1617**

T-distribution connector; 2-pole; Cod. I; 1 input; 2 outputs; 2 locking levers; blue



**Item no.: 890-1620**

T-distribution connector; 2-pole; Cod. I; 1 input; 2 outputs; 3 locking levers; for flying leads; blue

#### 1.1.4 Male connector/plug



**Item no.: 890-3112/011-000**

Plug for PCBs; angled; 2-pole; Cod. I; blue



**Item no.: 890-3112**

Plug for PCBs; straight; 2-pole; Cod. I; blue



**Item no.: 890-1112**

Plug; 2-pole; Cod. I; 1,50 mm<sup>2</sup>; blue



**Item no.: 890-2112**

Snap-in plug; 2-pole; Cod. I; 1,50 mm<sup>2</sup>; blue



1.2 Required accessories

1.2.1 Locking system

1.2.1.1 Locking system



[Item no.: 890-111](#)  
Locking lever; for flying leads; for tool operation; black

[Item no.: 890-131](#)  
Locking lever; for flying leads; for tool operation; white

[Item no.: 890-101](#)  
Locking lever; for manual operation; black

[Item no.: 890-121](#)  
Locking lever; for manual operation; white

1.2.2 Strain relief

1.2.2.1 Strain relief housing



[Item no.: 890-502/342-000](#)  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; black

[Item no.: 890-512/342-000](#)  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; white

[Item no.: 890-502](#)  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; black

[Item no.: 890-512](#)  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; white