

TOMORROW'S BUILDINGS WILL BE BUILT WITH TODAY'S WINSTA® SYSTEM

Perfectly Plugged Electrical Building Installations

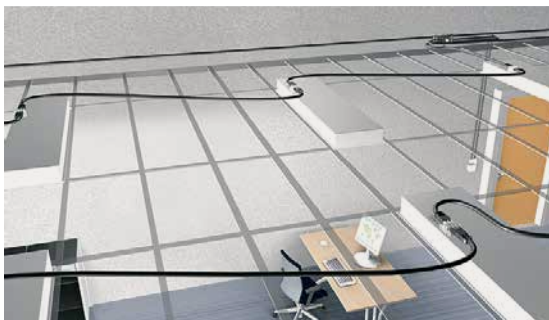


SUCCESS THROUGH EXPERTISE

Project Planning with WAGO

WAGO offers consulting and project planning services to help devise the best possible solution for your project. Our experienced team of professionals will be happy to help you implement your project with our products.

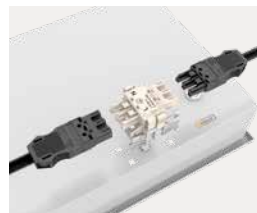
Installation Examples



In suspended ceilings



WINSTA® MINI/MINI Special
0.25 ... 1.5 mm² / 16 A / 400 V



WINSTA® MIDI Linect®
0.5 ... 4 mm² / 25 A / 400 V



Power distribution



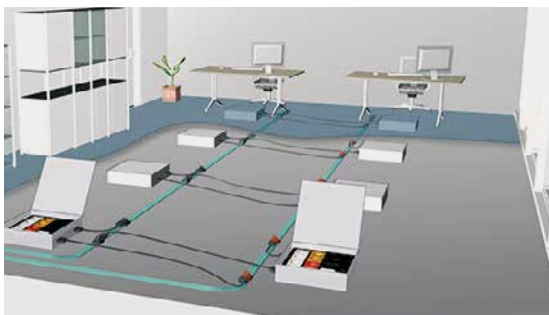
WINSTA® MAXI
0.5 ... 6 mm² / 35 A / 400 V



WINSTA® RD
1.5 and 2.5 mm² / 20 A / 250 V



WINSTA® KNX
max. Ø 0.8 mm / 3 A / 50 V



In raised floors



WINSTA® MIDI/MIDI Special
0.5 ... 4 mm² / 25 A / 400 V

WINSTA® – the Pluggable Connection System

WINSTA® MINI

For Applications in Tight Spaces

- Sensors
(switches, push-buttons, window contacts, pressure switches, temperature sensors, etc.)
- Actuators
(control valves, magnetic valves, servo motors, blinds/sun protection, etc.)
- Protection class II for halogen lamps and luminaires
- Control signals
- 1.5 mm² (16 AWG), 250 V, 16 A
- IP40-capable for use in easily accessible areas

2- ... 5-pole
890 and 891 Series

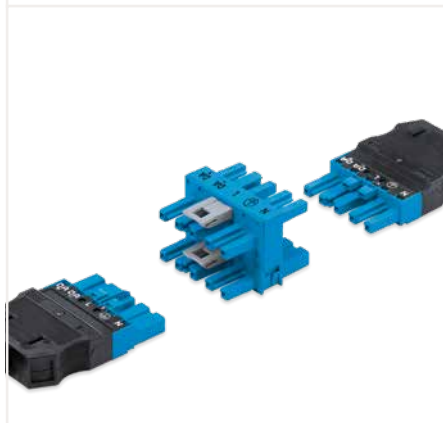


WINSTA® MIDI

For Maximum Possibilities

- General building installation, especially for modern functional buildings
- Standard lighting fixtures and safety lights
- Tradeshow and shop installation
- Motor homes
- Lab work stations
- Rolling stock
- Shipbuilding
- 4 mm² (12 AWG), 250/400 V, 25 A

2- ... 5-pole
770 and 771 Series



WINSTA® MAXI

For High-Power Applications

- Power supply via 6 mm² (10 AWG) cable for extended cable runs
- 32 A power supply in distribution boxes for high energy requirements
- 6 mm² (10 AWG), 250/400 V, 35 A

5-pole
831 Series



WINSTA® MINI Special

For Specialty Applications

2- ... 5-pole
890 and 891 Series



WINSTA® MIDI Special

For Specialty Applications

2- ... 5-pole
770 and 771 Series

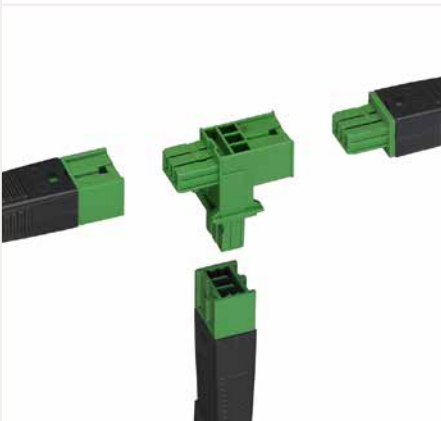
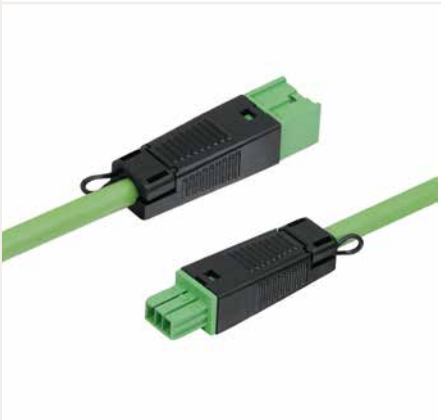


WINSTA® KNX

For the Standardized Bus

- KNX/EIB
- Control signals
- Ø 0.8 mm, 50 V, 3 A

2-pole
893 and 894 Series

**WINSTA® RD**

For Round Conduits and Ducts

- Outside diameter of 17.5 mm for applications in electrical conduits with an inner diameter > 18 mm
- Prefabricated houses
- Recessed luminaires
- Wall and ceiling cutouts

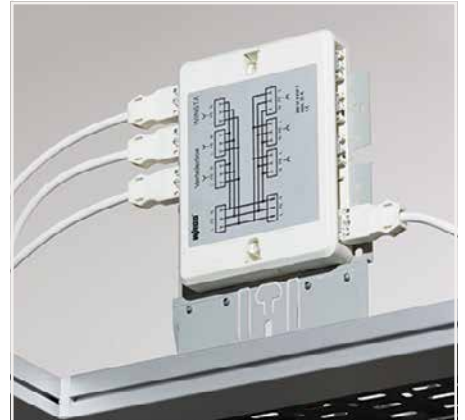
3 and 4 poles
774 Series

**WINSTA® Boxes**

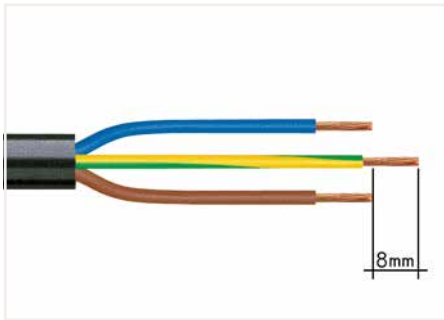
For a Variety of Applications

- Customize the box by configuring the number of slots and assigning their functions.
- Easily provide outputs via all variants of WINSTA® Snap-In Device Connectors.
- Install DIN-rail-mount components, such as circuit breakers, fuses and relays.

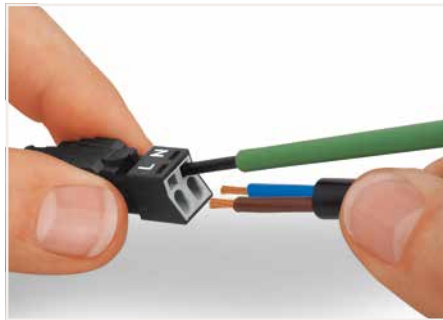
899 Series



WAGO WINSTA® MINI Pluggable Connection System Usage



1. Strip length, outer insulation = x mm
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. Terminate solid conductors by simply pushing them in.



Latch the wired connector into the base of the strain relief housing.



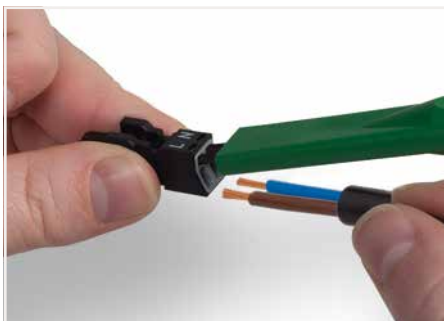
Push down strain relief clamp by hand.



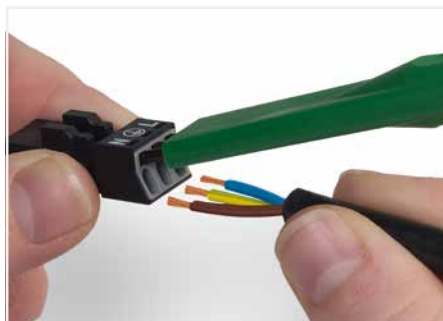
Push down strain relief clamp with 2.5 mm screwdriver alternately on both sides.



Snap on the top of the strain relief housing.



To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.



To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.



Connector with shield termination



Apply the shield to the sheathed cable. Strip length, outer insulation = 30 mm Shield length = 8 mm



Push the shield connecting plate into the connector until fully inserted.



First insert the wired connector into a strain relief housing, then snap clamp and cover.

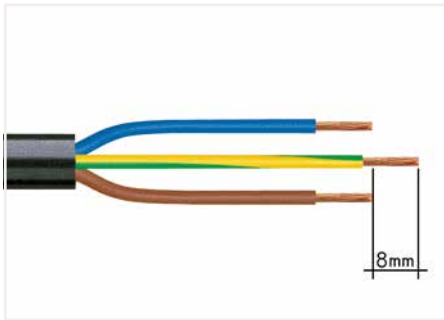
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WAGO WINSTA® MINI Pluggable Connection System

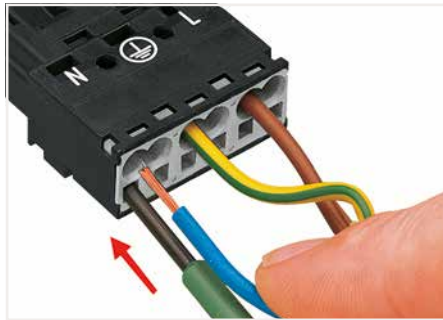
Illustration	Color	Pole Number	Coding	Marking	Rated Voltage	Rated Surge Voltage	Rated Current	Cable Diameter	Item No.	Pack. Unit
WINSTA® MINI; socket without strain relief housing										
	●	2	A	L N	250 V	4 kV	16 A		890-202	50
	○	2	A	L N	250 V	4 kV	16 A		890-222	50
	●	2	I	+ -	250 V	4 kV	16 A		890-1102	50
	●	3	A	L ⊕ N	250 V	4 kV	16 A		890-203	50
	○	3	A	L ⊕ N	250 V	4 kV	16 A		890-223	50
	●	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	16 A		890-204	50
	○	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	16 A		890-224	50
	●	5	A	N ⊕ L + -	400 V	6 kV	13 A		890-205	50
	○	5	A	N ⊕ L + -	400 V	6 kV	13 A		890-225	50
●	5	I	N ⊕ L + -	400 V	6 kV	16 A		890-1105	50	
WINSTA® MINI; plug without strain relief housing										
	●	2	A	L N	250 V	4 kV	16 A		890-212	50
	○	2	A	L N	250 V	4 kV	16 A		890-232	50
	●	2	I	+ -	250 V	4 kV	16 A		890-1112	50
	●	3	A	L ⊕ N	250 V	4 kV	16 A		890-213	50
	○	3	A	L ⊕ N	250 V	4 kV	16 A		890-233	50
	●	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	16 A		890-214	50
	○	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	16 A		890-234	50
	●	5	A	N ⊕ L + -	400 V	6 kV	13 A		890-215	50
	○	5	A	N ⊕ L + -	400 V	6 kV	13 A		890-235	50
●	5	I	N ⊕ L + -	400 V	6 kV	16 A		890-1115	50	
WINSTA® MINI; snap-on type strain relief housing for socket and plug										
	●	2						3.8 ... 8.2 mm	890-502	50
	○	2						3.8 ... 8.2 mm	890-512	50
	●	3						4.5 ... 10 mm	890-503	50
	○	3						4.5 ... 10 mm	890-513	50
	●	4						6.5 ... 10.5 mm	890-504	50
	○	4						6.5 ... 10.5 mm	890-514	50
	●	5						6.5 ... 10.5 mm	890-505	50
	○	5						6.5 ... 10.5 mm	890-515	50
WINSTA® MINI; snap-in socket										
	●	2	A	L N	250 V	4 kV	16 A		890-702	50
	○	2	A	L N	250 V	4 kV	16 A		890-722	50
	●	2	I	+ -	250 V	4 kV	16 A		890-2102	50
	●	3	A	L ⊕ N	250 V	4 kV	16 A		890-703	50
	○	3	A	L ⊕ N	250 V	4 kV	16 A		890-723	50
	●	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	16 A		890-704	50
	○	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	16 A		890-724	50
	●	5	A	N ⊕ L + -	400 V	6 kV	13 A		890-705	50
	○	5	A	N ⊕ L + -	400 V	6 kV	13 A		890-725	50
●	5	I	N ⊕ L + -	400 V	6 kV	16 A		890-2105	50	
WINSTA® MINI; snap-in plug										
	●	2	A	L N	250 V	4 kV	16 A		890-712	50
	○	2	A	L N	250 V	4 kV	16 A		890-732	50
	●	2	I	+ -	250 V	4 kV	16 A		890-2112	50
	●	3	A	L ⊕ N	250 V	4 kV	16 A		890-713	50
	○	3	A	L ⊕ N	250 V	4 kV	16 A		890-733	50
	●	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	16 A		890-714	50
	○	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	16 A		890-734	50
	●	5	A	N ⊕ L + -	400 V	6 kV	13 A		890-715	50
	○	5	A	N ⊕ L + -	400 V	6 kV	13 A		890-735	50
●	5	I	N ⊕ L + -	400 V	6 kV	16 A		890-2115	50	

WAGO WINSTA® MIDI Pluggable Connection System

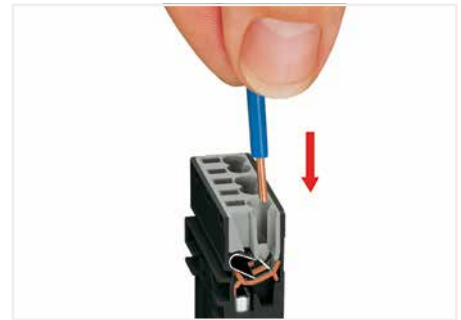
Handling



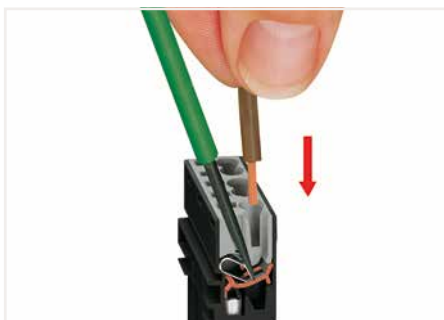
1. Strip length, outer insulation = x mm 1
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



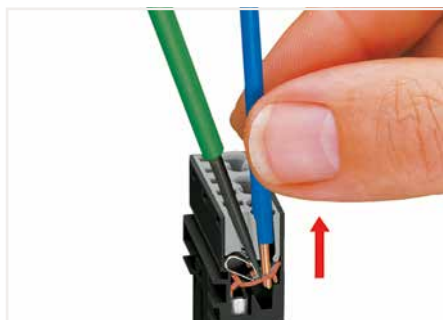
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



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.



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.



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).



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



Apply the shield to the sheathed cable. Strip length, outer insulation = 55 mm Shield length = 10 mm



Push the shield connecting plate into the connector until fully inserted.



First insert the wired connector into strain relief housing, then snap cover and tighten screw.

5

WAGO WINSTA® MIDI Pluggable Connection System

Illustration	Color	Pole Number	Coding	Marking	Rated Voltage	Rated Surge Voltage	Rated Current	Cable Diameter	Item No.	Pack. Unit
WINSTA® MINI; socket without strain relief housing										
	●	2	A	L N	250 V	4 kV	25 A		770-202	100
	○	2	A	L N	250 V	4 kV	25 A		770-222	100
	●	2	I	DA+ DA-	250 V	4 kV	25 A		770-1102	100
	●	2	L	L' N'	250 V	4 kV	25 A		770-1162	100
	●	3	A	L ⊕ N	250 V	4 kV	25 A		770-203	100
	○	3	A	L ⊕ N	250 V	4 kV	25 A		770-223	100
	●	3	P	L ⊕ N	250 V	4 kV	25 A		770-1303	100
	●	3	R	LON LON S	250 V	4 kV	25 A		770-1343	100
	●	3	S	1 2 L	250 V	4 kV	25 A		770-1363	100
	●	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	25 A		770-204	100
	○	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	25 A		770-224	100
	●	5	A	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-205	50
	○	5	A	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-225	50
	●	5	I	N ⊕ L DA+ DA-	400 V	6 kV	25 A		770-1105	50
	●	5	L	N ⊕ L N' L'	400 V	6 kV	25 A		770-1165	50
	●	5	P	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-1305	50
WINSTA® MINI; plug without strain relief housing										
	●	2	A	L N	250 V	4 kV	25 A		770-212	100
	○	2	A	L N	250 V	4 kV	25 A		770-232	100
	●	2	I	DA+ DA-	250 V	4 kV	25 A		770-1112	100
	●	2	L	L' N'	250 V	4 kV	25 A		770-1172	100
	●	3	A	L ⊕ N	250 V	4 kV	25 A		770-213	100
	○	3	A	L ⊕ N	250 V	4 kV	25 A		770-233	100
	●	3	P	L ⊕ N	250 V	4 kV	25 A		770-1313	100
	●	3	R	LON LON S	250 V	4 kV	25 A		770-1353	100
	●	3	S	1 2 L	250 V	4 kV	25 A		770-1373	100
	●	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	25 A		770-214	100
	○	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	25 A		770-234	100
	●	5	A	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-215	50
	○	5	A	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-235	50
	●	5	I	N ⊕ L DA+ DA-	400 V	6 kV	25 A		770-1115	50
	●	5	L	N ⊕ L N' L'	400 V	6 kV	25 A		770-1175	50
	●	5	P	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-1315	50
WINSTA® MINI; snap-on type strain relief housing for socket and plug										
	●	2						5 ... 9 mm	770-502/042-000	50
	○	2						5 ... 9 mm	770-512/042-000	50
	●	3						8 ... 11.5 mm	770-503	50
	○	3						8 ... 11.5 mm	770-513	50
	●	4						9 ... 13 mm	770-504	25
	○	4						9 ... 13 mm	770-514	25
	●	5						9 ... 13 mm	770-505	25
	○	5						9 ... 13 mm	770-515	25
WINSTA® MINI; snap-in socket										
	●	3	A	L ⊕ N	250 V	4 kV	25 A		770-703	100
	○	3	A	L ⊕ N	250 V	4 kV	25 A		770-723	100
	●	3	P	L ⊕ N	250 V	4 kV	25 A		770-2303	100
	●	3	R	LON LON S	250 V	4 kV	25 A		770-2343	100
	●	3	S	1 2 L	250 V	4 kV	25 A		770-2363	100
	●	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	25 A		770-704	100
	○	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	25 A		770-724	100
	●	5	A	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-705	50
	○	5	A	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-725	50
	●	5	I	N ⊕ L DA+ DA-	400 V	6 kV	25 A		770-2105	50
●	5	P	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-2305	50	
WINSTA® MINI; snap-in plug										
	●	3	A	L ⊕ N	250 V	4 kV	25 A		770-713	100
	○	3	A	L ⊕ N	250 V	4 kV	25 A		770-733	100
	●	3	P	L ⊕ N	250 V	4 kV	25 A		770-2313	100
	●	3	R	LON LON S	250 V	4 kV	25 A		770-2343	100
	●	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	25 A		770-714	100
	○	4	A	N ⊕ 2/L 1/L'	400 V	6 kV	25 A		770-734	100
	●	5	A	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-715	50
	○	5	A	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-735	50
	●	5	I	N ⊕ L DA+ DA-	400 V	6 kV	25 A		770-2115	50
	●	5	P	N ⊕ L1 L2 L3	400 V	6 kV	25 A		770-2315	50