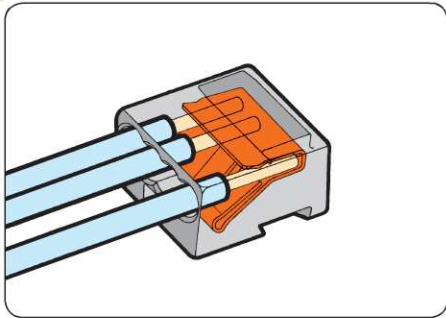
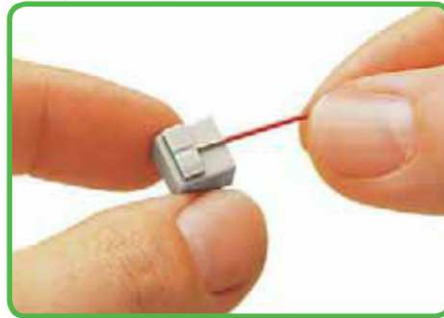


MICRO PUSH WIRE® Connectors for Junction Boxes, Description and Handling Series 243



Stripped length



Strip solid conductor to 5 – 6 mm / 0.22 in.

Connector strips



Assembly of modular connectors to connector strips.

PUSH WIRE® termination



Termination: Insert stripped conductor fully.

PUSH WIRE® termination



Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector.



Testing

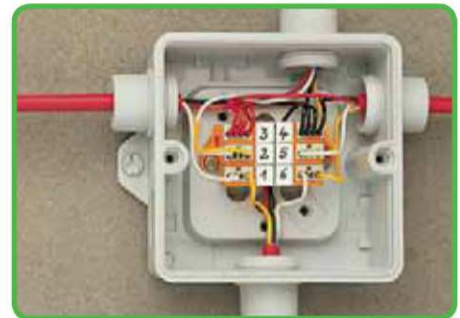


Testing

Applications



Switch (specialty connectors with solder pin termination)











Terminal box for burglar alarm – screw mount.

The PUSH WIRE® connection clamps the following copper conductors:





solid

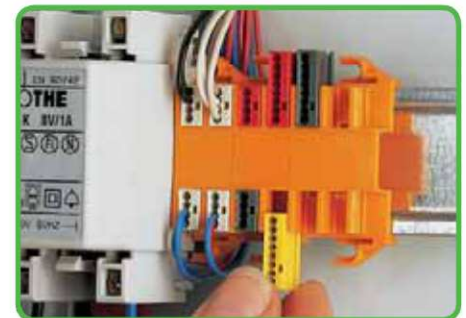
MICRO PUSH WIRE® Connectors for Junction Boxes, Mounting Carrier Series 243

<p>4 x Ø 0.6 – 0.8 mm "s"*</p> <p>100 V/1.5 kV/2</p> <p>I_N 6 A</p>	<p>4 x AWG 22 – 20 "sol."*</p> <p>125 V, 7 A </p> <p>150 V, 7 A </p>	<p>8 x Ø 0.6 – 0.8 mm "s"*</p> <p>100 V/1.5 kV/2</p> <p>I_N 6 A</p>	<p>8 x AWG 22 – 20 "sol."*</p> <p>125 V, 7 A </p> <p>150 V, 7 A </p>	<p>Mounting carrier for MICRO PUSH WIRE® connectors</p>
 5 – 6 mm / 0.22 in		 5 – 6 mm / 0.22 in		
<p> Approvals</p>		<p> Approvals</p>		



Color	Item No.	PU	Color	Item No.	PU	Description	Item No.	PU
MICRO PUSH WIRE® connector for junction boxes, 4-wire connectors			MICRO PUSH WIRE® connector for junction boxes, 8-wire connectors			Mounting carrier, for 4 PUSH WIRE® connectors	243-112	50 (5 x 10)
dark gray	243-204	1000 (10 x 100)	dark gray	243-208	500 (10 x 50)	for 6 PUSH WIRE® connectors	243-113	50 (5 x 10)
red	243-804	1000 (10 x 100)	red	243-808	500 (10 x 50)	Marker strips, plain	243-110	1
light gray	243-304	1000 (10 x 100)	light gray	243-308	500 (10 x 50)			
yellow	243-504	1000 (10 x 100)	yellow	243-508	500 (10 x 50)			

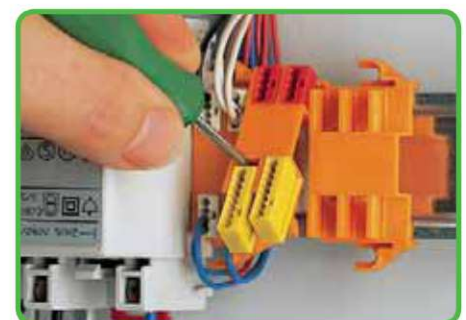
<p>4 x Ø 0.4 – 0.5 mm "s"</p> <p>100 V/1.5 kV/2</p> <p>I_N 6 A</p>	<p>4 x AWG 26 – 24 "sol."*</p>
 5 – 6 mm / 0.22 in	
<p> Approvals</p>	



Insertion of MICRO PUSH WIRE® connector for junction boxes into the carrier.

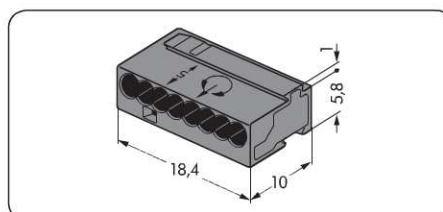
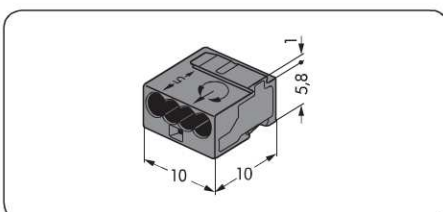


Color	Item No.	PU
MICRO PUSH WIRE® connector for junction boxes, 4-wire connectors		
transparent	243-144	1000 (10 x 100)




Removal of MICRO PUSH WIRE® connector from the carrier.

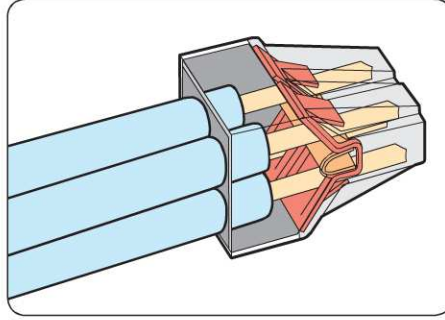
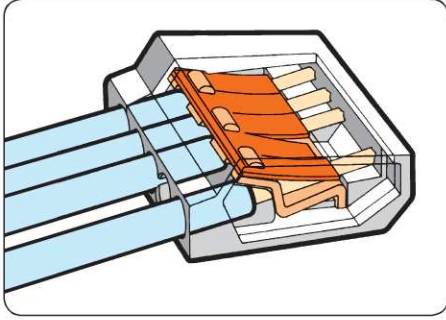
Dimensions (in mm)



Example of residential door bell application – mounted on DIN 35 rail

 Approvals are available online at: www.wago.com. For technical explanations and abbreviations, see technical section.
* When using wires of the same diameter only, Ø 0.5 mm/AWG 24 or Ø 1.0 mm/AWG 18 are also possible.

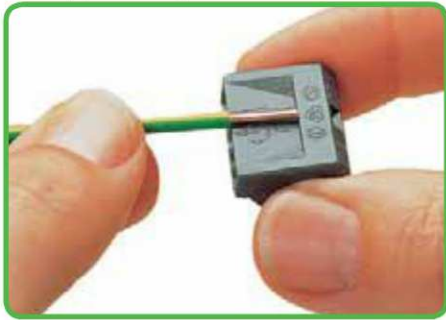
PUSH WIRE® Connectors for Junction Boxes, Description and Handling Series 273 and 773



Mounting carrier for 273 Series
PUSH WIRE® connectors for junction boxes

Carrier width 17.7 mm / 0.7 in

Stripped length

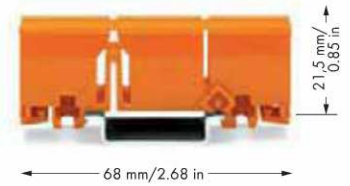


Strip solid conductor to 10 - 13 mm / 0.45 in

Testing



Testing



	Item No.	PU
Mounting carrier		
orange	273-150	50 (5 x 10)
Marker strips, see page 145		
plain	210-334	1 card

PUSH WIRE® connection



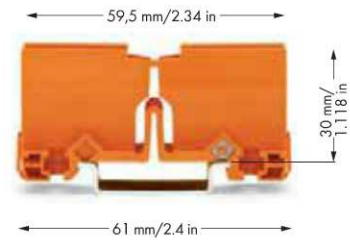
Connection: Insert stripped conductor fully!



Removal: Hold wire to be removed and twist alternately left and right while pulling the conductor

Mounting carrier for 773 Series
PUSH WIRE® connectors for junction boxes

Carrier width 18 mm / 0.71 in



	Item No.	PU
Mounting carrier		
orange	773-332	50 (5 x 10)
Marker strip		
plain	243-110	1 card



FIXED IN POSITION – on a DIN 35 rail
(Mounting carrier series 273)



FIXED IN POSITION – on a DIN 35 rail
(Mounting carrier series 773)

The PUSH WIRE® connection clamps the following copper wires:



solid,
series 273 and 773



stranded,
only series 773

Strip length, see packaging or instructions.

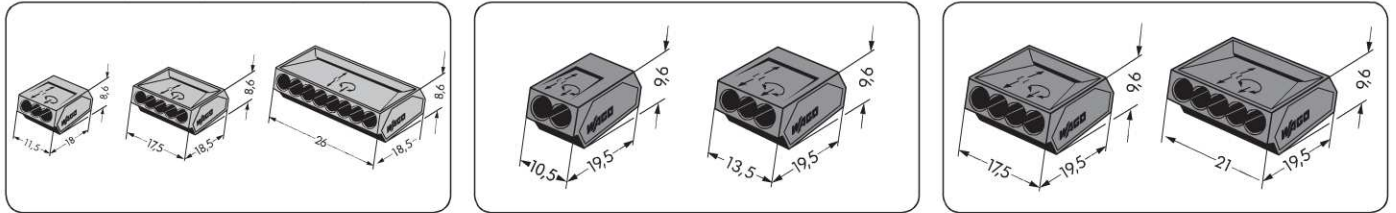
PUSH WIRE® Connectors for Junction Boxes Series 273 and 773

<p>3 x 0.75 – 1.5 mm² "s" ① 3 x AWG 18 – 6 "sol." 5 x 0.75 – 1.5 mm² "s" ① 5 x AWG 18 – 16 "sol." 8 x 0.75 – 1.5 mm² "s" ① 8 x AWG 18 – 16 "sol." 400 V / 4 kV / 2** 600 V, 10 A Ⓛ I_N 18 A 600 V, 10 A Ⓢ</p> <p>10 – 13 mm / 0.45 in Ⓢ Approvals</p>	<p>2 x 1 – 2.5 mm² "s" ① 2 x AWG 18 – 12 "sol." 3 x 1 – 2.5 mm² "s" ① 3 x AWG 18 – 12 "sol." 400 V / 4 kV / 2** 600 V, 20 A Ⓛ I_N 24 A 600 V, 20 A Ⓢ</p> <p>10 – 13 mm / 0.45 in Ⓢ Approvals</p>	<p>4 x 1 – 2.5 mm² "s" ② 4 x AWG 18 – 12 "sol." 5 x 1 – 2.5 mm² "s" ② 5 x AWG 18 – 12 "sol." 400 V / 4 kV / 2** 600 V, 20 A Ⓛ I_N 24 A 600 V, 20 A Ⓢ</p> <p>10 – 13 mm / 0.45 in Ⓢ Approvals</p>
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Color	Item no.	Item no.	Item no.	Color	Item no.	Item no.	PU	Color	Item no.	Item no.	PU
PUSH WIRE® connectors for junction boxes,				PUSH WIRE® connectors for junction boxes,				PUSH WIRE® connectors for junction boxes,			
	3-cond.con. ④	5-cond.con. ④	8-cond.con. ⑤		2-cond.con.	3-cond.con.			4-cond.con.	5-cond.con.	
gray	273-100	273-101	273-108	dark gray	273-112	273-104	1000 (10 x 100)	dark gray	273-102	273-105	1000 (10 x 100)
transparent	—	273-155	273-158								

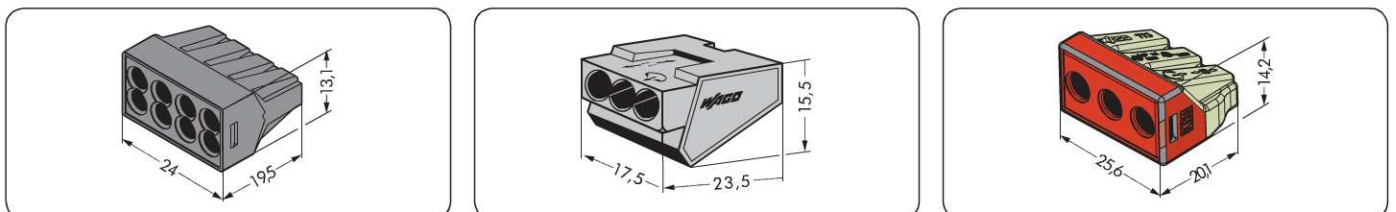
PU ④ 1000 (10 x 100) ⑤ 500 (10 x 50)



<p>8 x 1 – 2.5 mm² "s" ② 8 x AWG 18 – 14 "sol." 400 V / 4 kV / 2** 600 V, 20 A Ⓛ I_N 24 A 600 V, 20 A Ⓢ</p> <p>10 – 13 mm / 0.45 in Ⓢ Approvals</p>	<p>3 x 1.5 – 4 mm² "s" ② 3 x AWG 14 – 10 "sol." 400 V / 4 kV / 2** 600 V, 20 A Ⓛ I_N 32 A 600 V, 20 A Ⓢ</p> <p>10 – 13 mm / 0.45 in Ⓢ Approvals</p>	<p>3 x 2.5 – 6 mm² "s" 3 x AWG 14 – 0 "sol.+str." 400 V / 4 kV / 2** 600 V, 30 A Ⓛ I_N 41 A</p> <p>12 – 13 mm / 0.53 in Ⓢ Approvals</p>
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Color	Item no.	PU	Color	Item no.	PU	Color	Item no.	PU
PUSH WIRE® connectors for junction boxes,			PUSH WIRE® connectors for junction boxes,			PUSH WIRE® connectors for junction boxes,		
	8-cond.con.			3-cond.con.			3-cond.con.	
dark gray	773-208	500 (10 x 50)	gray	273-403	500 (10 x 50)	transparent	773-173	500 (10 x 50)
transparent	773-108	500 (10 x 50)	transparent	273-453	500 (10 x 50)			

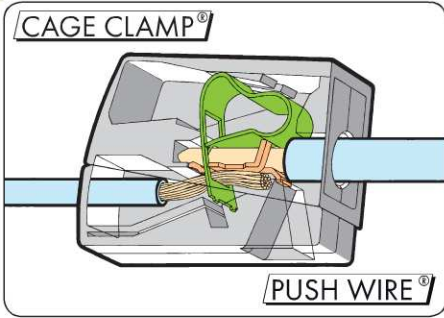


When using wires of the same diameter only, ① 0.5 mm²/AWG 20 or ② 0.75 mm²/AWG 18 are also possible. ** in grounded (earthed) supply systems
 Ⓢ Approvals are available online at: www.wago.com. For technical explanations and abbreviations, see technical section.

Lighting and "Service" Connectors Series 224

PUSH WIRE®

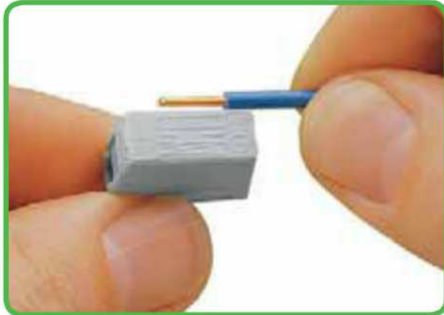
CAGE CLAMP®



Installation side 1.0 – 2.5 mm ² "s" Lighting side 0.5 – 2.5 mm ² "s+f-st" 400 V/4 kV/2*, I _N 24 A 9 – 11 mm / 0.39 in	AWG 14 – 12 AWG 20 – 16 300 V, 20 A	Installation side 2 x 1.0 – 2.5 mm ² "s" Lighting side 0.5 – 2.5 mm ² "s+f-st" 400 V/4 kV/2*, I _N 24 A 9 – 11 mm / 0.39 in	AWG 16 – 14 AWG 20 – 16 300 V, 4 A
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Stripped length



Strip conductor to 9 – 11 mm / 0.39 in.

Conductor termination



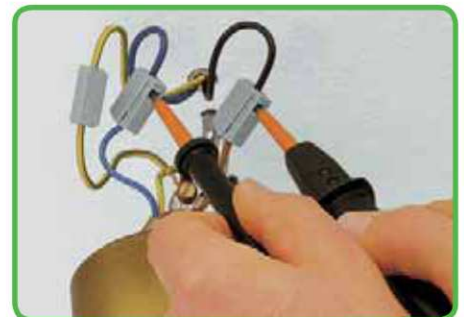
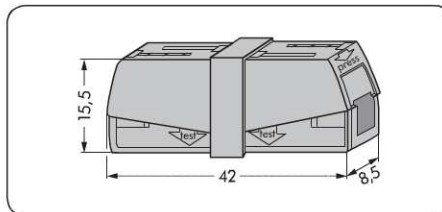
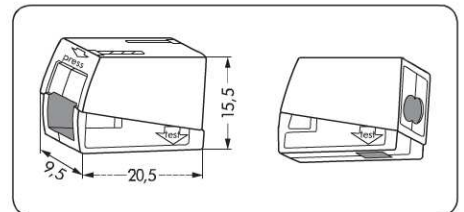
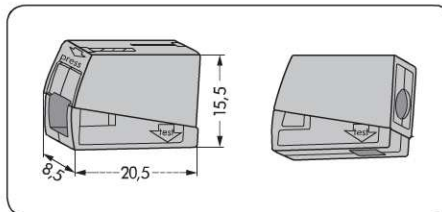
Lighting side terminations:
Press button fully and insert stripped conductor into square entry and release.



Installation side terminations:
Insert stripped solid conductor into entry and push until it hits the stop.

Color	Item No.	PU	Color	Item No.	PU
Lighting connectors, standard version, continuous service temperature 105 °C			2-conductor lighting connectors, standard version, continuous service temperature 105 °C		
gray	224-101	1000 (10 x 100)	white	224-112	1000 (10 x 100)
Version for increased continuous service temperature 120 °C			Version for increased continuous service temperature 120 °C		
black	224-104	100	black	224-114	100
"Service" connector gray 224-201 50					

Dimensions (in mm) and handling



Testing through separate test slot.

CAGE CLAMP® clamps the following copper conductors:



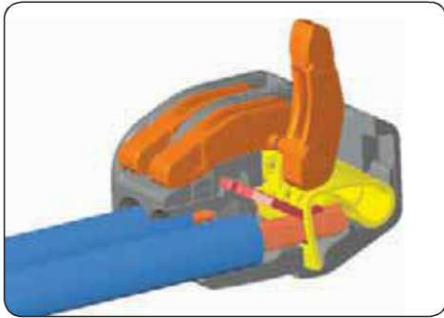
The PUSH WIRE® connection clamps the following copper conductors:



1 Approvals are available online at: www.wago.com.

Strip length, see packaging or instructions.

Compact Connectors for All Conductor Types Series 222



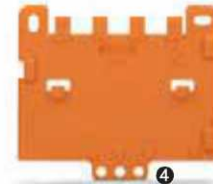
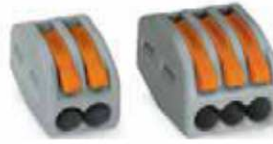
0.08 – 2.5 mm² "s+f-st"
4 mm² "f-st"
400 V/4 kV/2*
I_N 32 A

AWG 28 – 12
600 V, 20 A (M)

Mounting carrier,
strain relief plate and
universal right angled carrier
for 222 Series Compact Connectors

Carrier width 18 mm / 0.71 in

9 – 10 mm / 0.37 in
Approvals



Stripped length



Strip wire to 9 – 10 mm / 0.37 in.

CAGE CLAMP® COMPACT connection



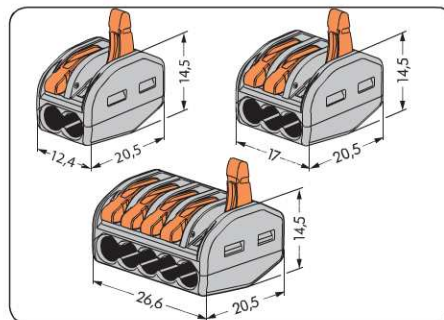
Conductor termination: open clamping point using the lever and insert wire . . .



. . . then lower lever to close clamping point.

Color	Item No.	PU	Color	Item No.	PU
Compact connectors, with levers, max. continuous service temperature 85 °C			Mounting carrier ③, for 2- to 5-pole compact connectors		
2-wire connector			orange	222-500	50 (5 x 10)
gray	222-412	1000 (10 x 100)	Strain relief plate ④, for mounting carrier		
3-wire connector			orange	222-505	50 (5 x 10)
gray	222-413	500 (10 x 50)	Universal right angled carrier ⑤, for DIN 35 rail mounting		
5-wire connector			gray	222-510	50 (5 x 10)
gray	222-415	400 (10 x 40)	Self-adhesive marker strips		
			plain	210-334	1 card

Dimensions (in mm) and handling



Vertical mounting with strain relief plate on DIN 35 rail. Marking of clamping points via marker strips.



Wiring of flexible conductors in a junction box.



Testing connectors via test slots at the top of the carrier.

CAGE CLAMP® clamps the following copper conductors:



solid



stranded



fine-stranded



tip bonded



with crimped ferrule ②



with crimped pin terminal

② When using ferrules, the max. conductor cross section which can be accommodated is one size smaller than max. rating of terminal block
For technical explanations and abbreviations, see technical section.

* In grounded power lines