





Installation Connectors

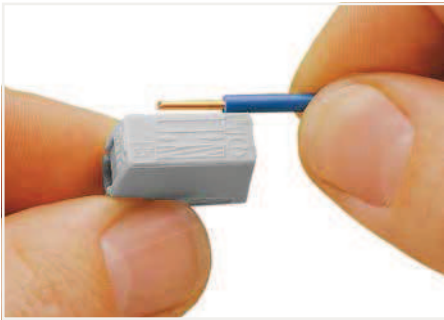
Installation Connectors

			Page
	Lighting Connectors Service Connectors	224 Series	209
	COMPACT PUSH WIRE® Connectors for Junction Boxes	2273 Series	211
	PUSH WIRE® Connectors for Junction Boxes Ex PUSH WIRE® Connectors for Junction Boxes	773 Series	213
	COMPACT Splicing Connectors	221 Series	217
	Mounting Carriers for Single Connectors	221 Series	221
	Splicing Connectors for All Conductor Types	222 Series	223
	MICRO PUSH WIRE® Connectors for Junction Boxes	243 Series	225

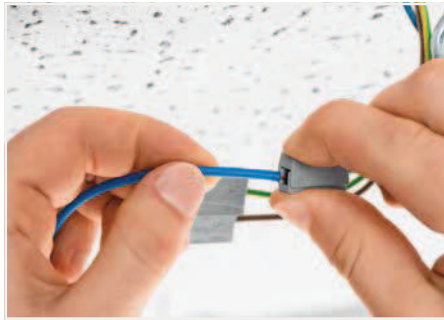
Lighting Connectors and Service Connectors

Description and Installation

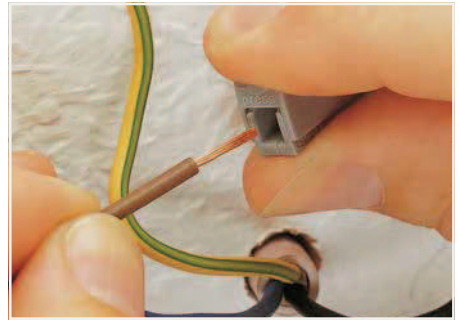
224 Series



Strip conductor to 9 ... 11 mm (0.35 ... 0.43 inch).



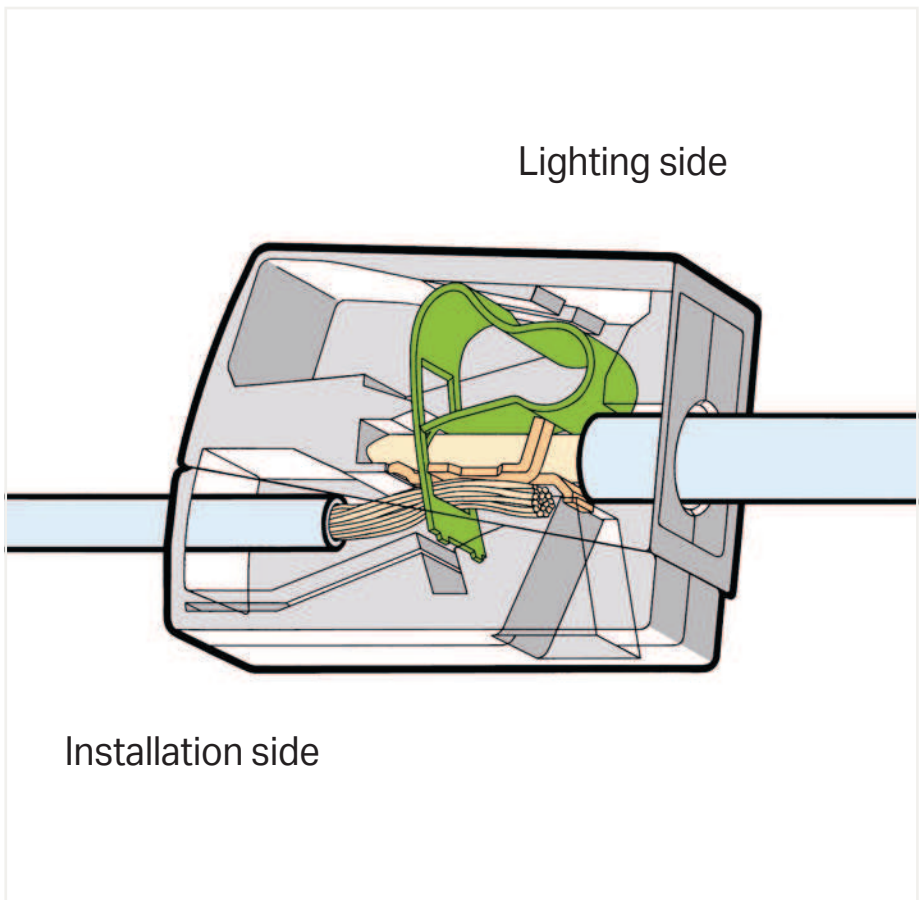
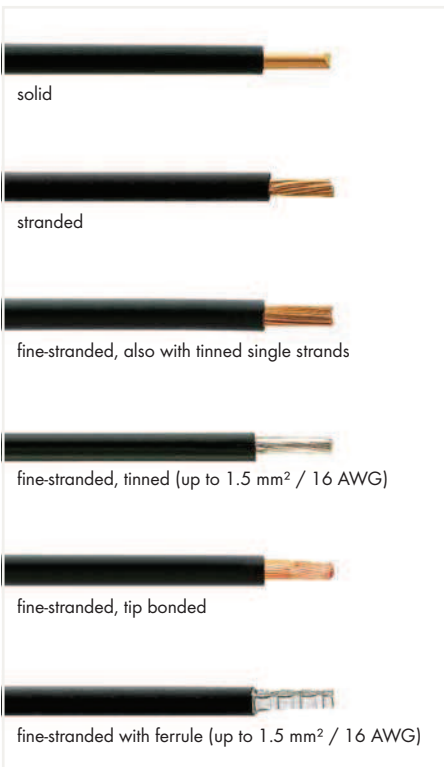
To connect: Press button fully, insert stripped conductor into square entry and release.



To remove: Press button and withdraw conductor.

Lighting side

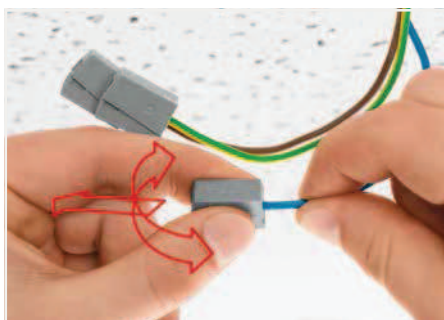
CAGE CLAMP®
terminates the following
copper conductors:



8



To connect: Insert stripped solid conductor into circular entry and push until it hits the backstop.



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



Testing via separate test ports.

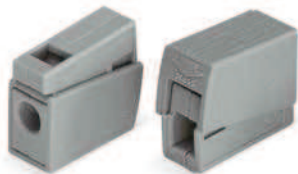


Installation side

PUSH WIRE®
terminates the following copper conductors:
solid

Lighting Connector; Service Connector 224 Series

Technical Data	
Installation side	
1 ... 2.5 mm ² "s"	14 ... 12 AWG
Lighting side	
0.5 ... 2.5 mm ² "s+f-st"	20 ... 16 AWG
400 V / 4 kV / 2 ①; I _N 24 A	300 V / 20 A ②③
9 ... 11 mm / 0.35 ... 0.39 inch	



Lighting connector; standard version; approved continuous operating temperature: 105°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
○ gray	224-101	1000 (10x100)

Lighting connector; version for increased continuous operating temperature of 120°C; ambient temperature (max.): 75°C

Color	Item No.	Pack. Unit
● black	224-104	1000 (10x100)

Technical Data	
Installation side	
2 x 1 ... 2.5 mm ² "s"	14 ... 12 AWG
Lighting side	
0.5 ... 2.5 mm ² "s+f-st"	20 ... 16 AWG
400 V / 4 kV / 2 ①; I _N 24 A	300 V / 20 A ②③
9 ... 11 mm / 0.35 ... 0.39 inch	



2-conductor lighting connector; for looping through on the installation side; approved continuous operating temperature: 105°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
○ white	224-112	1000 (10x100)

2-conductor lighting connector; for looping through on the installation side; version for increased continuous operating temperature of 120°C; ambient temperature (max.): 75°C

Color	Item No.	Pack. Unit
● black	224-114	1000 (10x100)

Technical Data	
0.5 ... 2.5 mm ² "s+f-st"	20 ... 16 AWG
400 V / 4 kV / 2 ①; I _N 24 A	
300 V / 20 A ②	
9 ... 11 mm / 0.35 ... 0.39 inch	



Service connector; approved continuous operating temperature: 105°C

Color	Item No.	Pack. Unit
○ gray	224-201	50

WAGO's lighting connectors ideally connect solid conductors with fine-stranded conductors. Tested and approved as isolated splicing connectors per EN 60998, WAGO's 224 Series Lighting Connectors can also be used in applications requiring a connection between solid and fine-stranded conductors. For example, 224 Series connects:

- Blinds, sliding shutters or awning motors
- Window or bathroom fans
- Circulation pumps
- Furnace control systems
- Electrical devices via permanent flexible cables

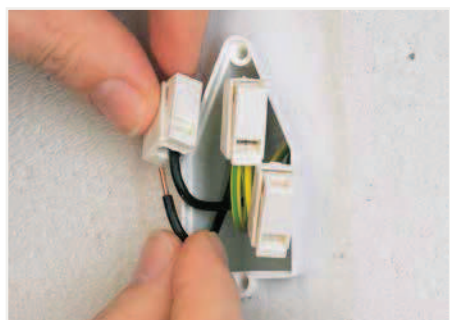
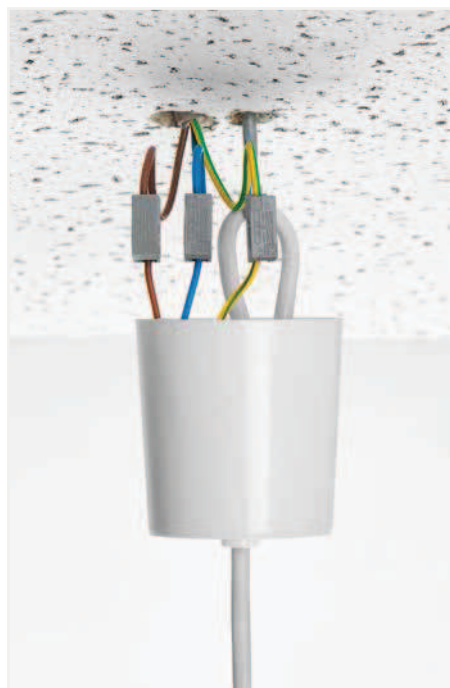
① In grounded power lines
400 V = rated voltage
4 kV = rated surge voltage
2/3 = pollution degree

224 Series Accessories



Syringe; contains 20 ml "Alu-Plus" contact paste

Item No.	Pack. Unit
249-130	20



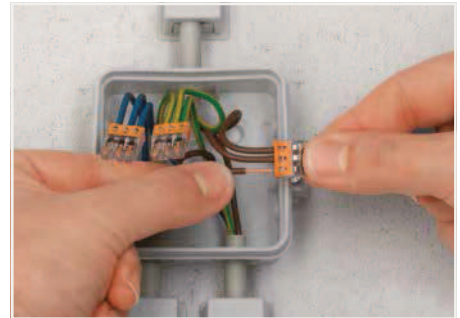
COMPACT PUSH WIRE® Connectors for Junction Boxes and Solid Conductors

Description and Installation

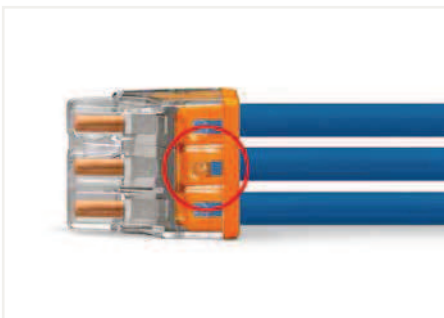
2273 Series



Strip solid conductor to 11 mm/0.43 inch (see marking).



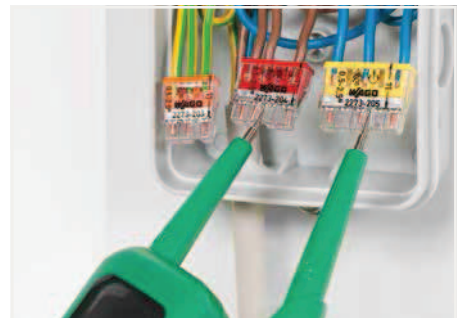
Insert the stripped solid conductor until it hits backstop.



The transparent housing shows if conductors are fully inserted; within the colored base, a clear port shows if the conductor's strip length is correct. Conductors are correctly stripped if the clear port shows no bare conductor on the unprinted connector side. Picture shows center conductor with exceeded strip length.



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



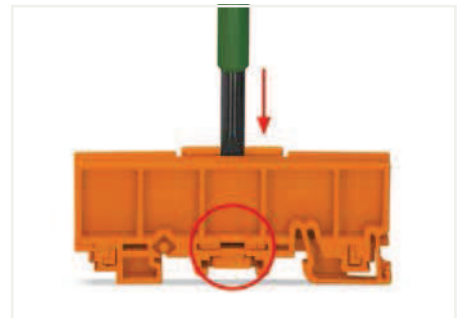
Testing via test port opposite to conductor entry.

8

One single carrier can hold up to 24 clamping units in a very narrow space. Previously, this was only possible using rail-mount terminal blocks.

Advantages:

- Mount carrier onto DIN-35 rail or via screws – easily and quickly
- Accommodate three 2.5 mm² (12 AWG) 2273 Series Connectors in a single carrier
- Easily exchange connectors
- Large marking area for self-adhesive marking strips or for direct marking with permanent felt-tip pen



To adjust the mounting carrier, unlock the latch via operating tool (5.5 mm blade) and move the clamping slide to the required width by rotating the tool.



The mounting carrier is suitable for both connector widths.

PUSH WIRE® Connectors in Distribution Boxes
During distribution box retrofits or expansions, conductors often require extensions or additional clamping points. Individual PUSH WIRE® connectors (e.g., 2273 Series) are approved as interconnect components for building wiring applications per EN 60998. Application standards for building installation (e.g., Parts 510 and 520 from DIN VDE 0100) also place the following requirements on junction box connectors:

- They must be arranged so that operation, inspection, maintenance and access to the removable connectors is simplified.
- It must be possible to test them.
- Conductors connected from outside must be clearly and permanently assigned to their associated circuits.

These requirements cannot be met with WAGO PUSH WIRE® connectors alone. In combination with WAGO mounting carriers, the PUSH WIRE® connectors clearly meet these requirements, making them comparable to rail-mount terminal blocks. Using PUSH WIRE® connectors with mounting carriers in distribution boxes is accepted by testing authorities.



PUSH WIRE® terminates the following copper conductors:
solid

COMPACT PUSH WIRE® Connector for Junction Boxes 2273 Series

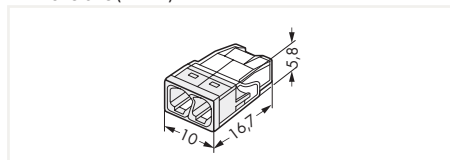
Technical Data	
2 x 0.5 ... 2.5 mm ² "s"	2 x 18 ... 14 AWG "s"
450 V / 4 kV / 2; I _N 24 A	
11 mm / 0.43 inch	



COMPACT PUSH WIRE® connector for junction boxes; 2-wire connector; transparent housing; continuous operating temperature (max.): 105°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
○ white	2273-202	1000 (10x100)

Dimensions (in mm):



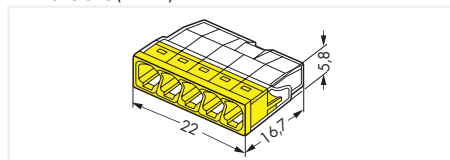
Technical Data	
5 x 0.5 ... 2.5 mm ² "s"	2 x 18 ... 14 AWG "s"
450 V / 4 kV / 2; I _N 24 A	
11 mm / 0.43 inch	



COMPACT PUSH WIRE® connector for junction boxes; 5-wire connector; transparent housing; continuous operating temperature (max.): 105°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
● yellow	2273-205	1000 (10x100)

Dimensions (in mm):



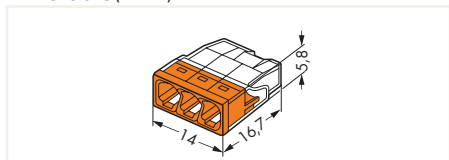
Technical Data	
3 x 0.5 ... 2.5 mm ² "s"	3 x 18 ... 14 AWG "s"
450 V / 4 kV / 2; I _N 24 A	
11 mm / 0.43 inch	



COMPACT PUSH WIRE® connector for junction boxes; 3-wire connector; transparent housing; continuous operating temperature (max.): 105°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
● orange	2273-203	1000 (10x100)

Dimensions (in mm):



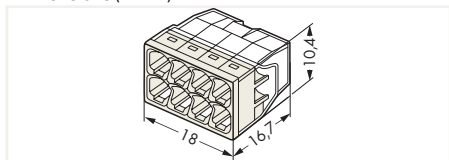
Technical Data	
8 x 0.5 ... 2.5 mm ² "s"	3 x 18 ... 14 AWG "s"
450 V / 4 kV / 2; I _N 24 A	
11 mm / 0.43 inch	



COMPACT PUSH WIRE® connector for junction boxes; 8-wire connector; transparent housing; continuous operating temperature (max.): 105°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
○ light gray	2273-208	500 (10x50)

Dimensions (in mm):



2273 Series Accessories



Mounting carrier; for single- and double-row 2273 Series Connectors; carrier width: 14/18.5 mm

Color	Item No.	Pack. Unit
● orange	2273-500	500



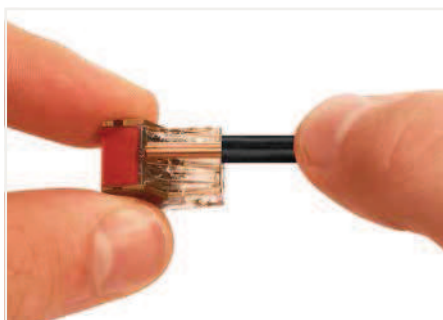
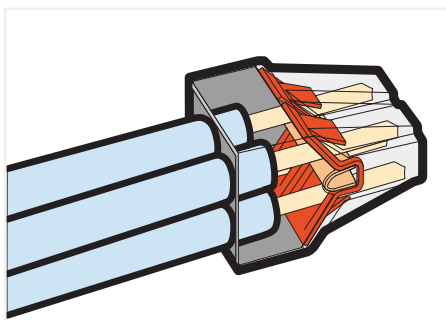
Self-adhesive marking strip; plain; 5 mm high; 48 self-adhesive strips per card

Color	Item No.	Pack. Unit
○ white	210-334	1

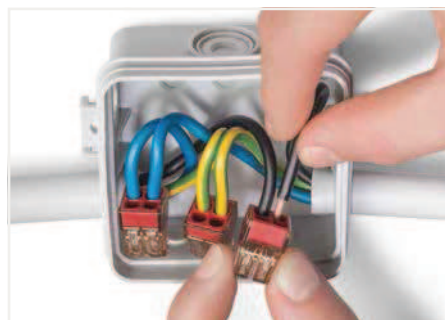
PUSH WIRE® Connectors for Junction Boxes

Description and Installation

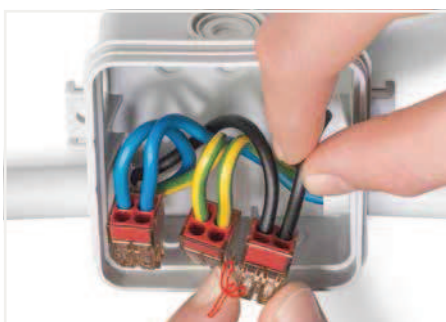
773 Series



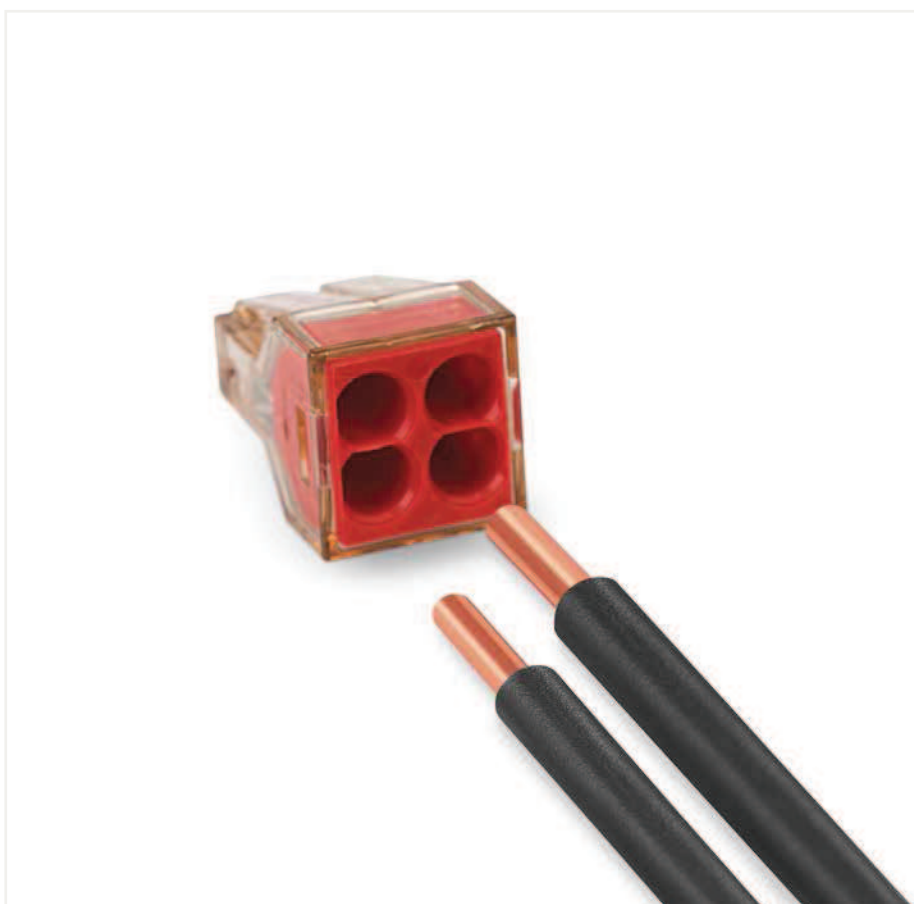
Strip a solid conductor to 12 mm (0.47 inch).



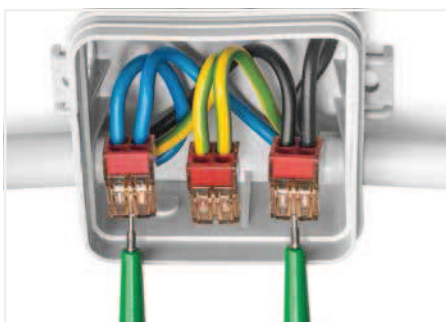
Termination: Insert stripped solid conductor until it hits backstop.



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



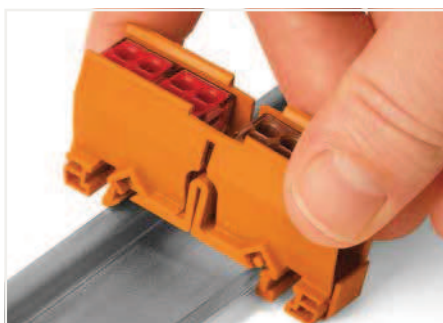
8



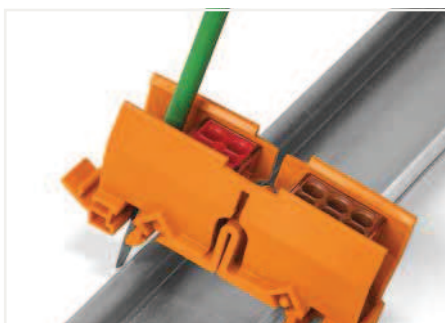
Testing



Use the cover as an end plate.



Snap the mounting carrier onto the DIN-rail.



Remove the mounting carrier from the DIN-rail.

PUSH WIRE® Connector for Junction Boxes 773 Series

Technical Data

3 x 2.5 ... 6 mm² "s+st" | 3 x 14 ... 10 AWG "s+st"

400 V / 4 kV / 2 **1**; I_N 41 A | 600 V; 30 A **2** / 20 A **3**

12 ... 13 mm / 0.47 ... 0.51 inch



Technical Data

4 x 0.75 ... 2.5 mm² "s" | 4 x 18 ... 12 AWG "s"

4 x 1.5 ... 2.5 mm² "st" | 4 x 16 ... 12 AWG "st"

400 V / 4 kV / 2 **1**; I_N 24 A | 600 V; 20 A **2** **3**

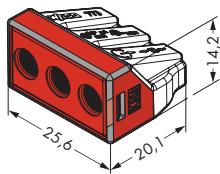
12 mm / 0.47 inch



PUSH WIRE® connector for junction boxes; 3-wire connector; transparent housing; continuous operating temperature (max.): 105°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
● red	773-173	500 (10x50)

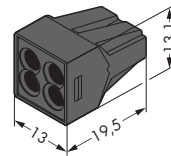
Dimensions (in mm):



PUSH WIRE® connector for junction boxes; 4-wire connector; transparent housing; continuous operating temperature (max.): 150°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
● black	773-514	1000 (10x100)

Dimensions (in mm):



773 Series Accessories



Mounting carrier; carrier width: 18 mm

Color	Item No.	Pack. Unit
● orange	773-332	50



Self-adhesive marking strip; plain; 5 mm high; 48 self-adhesive strips per card

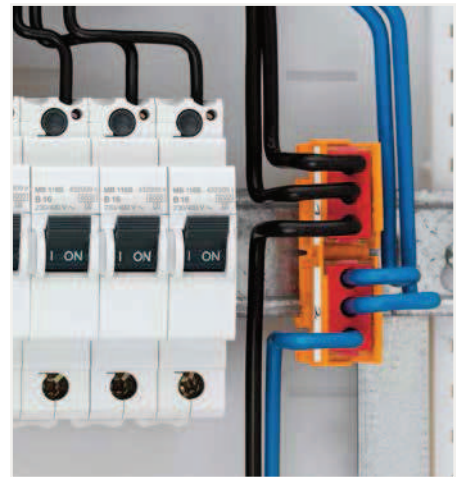
Color	Item No.	Pack. Unit
○ white	210-334	1

A mounting carrier (see accessories) suits applications where the connector must be marked and secured in position. The mounting carrier fits up to two 6 mm² connectors and must be snapped directly onto the DIN-35 rail or secured to a smooth surface


» by two screws.
Using this PUSH WIRE® connector, a large range of wiring applications can be achieved in distribution or junction boxes. To mention just a few: potential multiplication and changing from or to 6 mm² (10 AWG) conductor size.

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


- 1** In grounded power lines
400 V = rated voltage
- » 4 kV = rated surge voltage
2 = pollution degree




Ex PUSH WIRE® Connector for Junction Boxes 773 Series

Technical Data	
0.75 ... 2.5 mm ² "s"	18 ... 12 AWG "s"
550 V*; I _N 24 A	600 V; 20 A
	



Technical Data	
0.75 ... 2.5 mm ² "s"	18 ... 12 AWG "s"
550 V*; I _N 24 A	600 V; 20 A
	



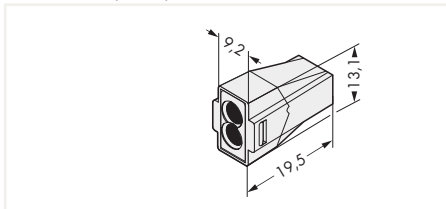
Technical Data	
0.75 ... 2.5 mm ² "s"	18 ... 12 AWG "s"
550 V*; I _N 24 A	600 V; 20 A
	



PUSH WIRE® connector for junction boxes; 2-wire connector; suitable for Ex e II applications

Color	Item No.	Pack. Unit
○ light gray	773-492	1000 (10x100)

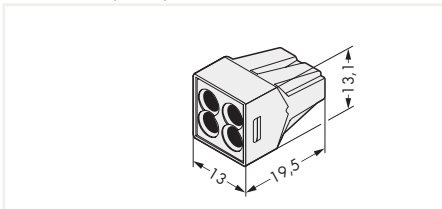
Dimensions (in mm):



PUSH WIRE® connector for junction boxes; 4-wire connector; suitable for Ex e II applications

Color	Item No.	Pack. Unit
○ light gray	773-494	1000 (10x100)

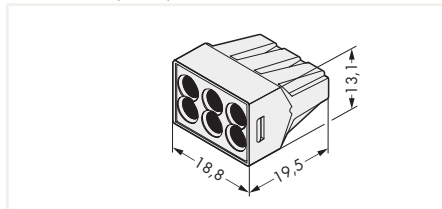
Dimensions (in mm):




PUSH WIRE® connector for junction boxes; 6-wire connector; suitable for Ex e II applications


Color	Item No.	Pack. Unit
○ light gray	773-496	1000 (10x100)

Dimensions (in mm):



Technical Data	
0.75 ... 2.5 mm ² "s"	18 ... 12 AWG "s"
550 V*; I _N 24 A	600 V; 20 A
	



Technical Data	
2.5 ... 6 mm ² "s"	14 ... 10 AWG "s"
550 V*; I _N 42 A	600 V; 20 A
	



To be used only in conjunction with 773-331 Mounting Carrier.
 » *275 V at a distance < 10 mm to parts of other potentials

Accessories

Mounting carrier; carrier width: 18 mm

light gray	773-331	50
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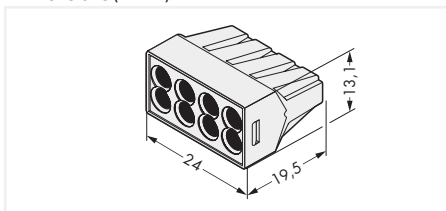
Self-adhesive marking strip; plain; 5 mm high; 48 self-adhesive strips per card

white	210-334	1
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PUSH WIRE® connector for junction boxes; 8-wire connector; suitable for Ex e II applications

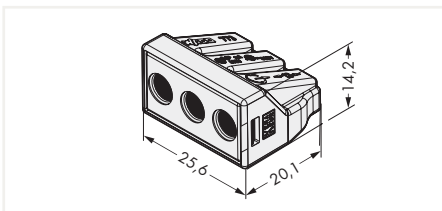
Color	Item No.	Pack. Unit
○ light gray	773-498	1000 (10x100)

Dimensions (in mm):



PUSH WIRE® connector for junction boxes; 3-wire connector; suitable for Ex e II applications

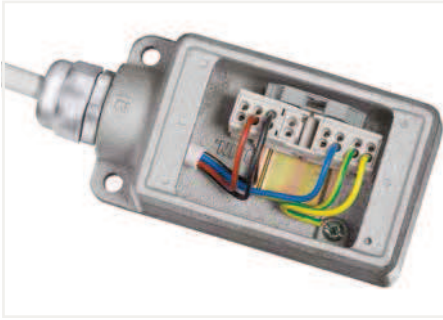
Color	Item No.	Pack. Unit
○ light gray	773-493	500 (10x50)



Ex PUSH WIRE® Connectors for Junction Boxes

Installation

773 Series



Wiring example in an Ex junction box



Insert the connectors into the carrier.



Use the cover as an end plate.



Snap the mounting carrier onto the DIN-rail.



Remove the mounting carrier from the DIN-rail.

WAGO's Ex PUSH WIRE® connectors are ideal for distribution and junction boxes, as well as control and operating systems. When used in hazardous areas, they offer the following advantages over traditional connectors:

- Time- and cost-saving PUSH WIRE® connection
- Vibration-proof, maintenance-free connections
- 100% touch-proof
- Connectors can be secured in position via mounting carriers
- One single carrier equipped with 2-, 4-, 6- and 8-wire connectors holds up to 16 clamping units according to user requirements, saving materials and related costs
- Available as OEM products for manufacturers and suppliers of enclosures and distribution boxes used in hazardous areas

COMPACT Splicing Connectors for All Conductor Types

Description and Installation

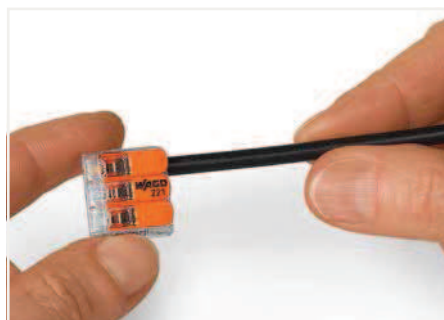
221 Series



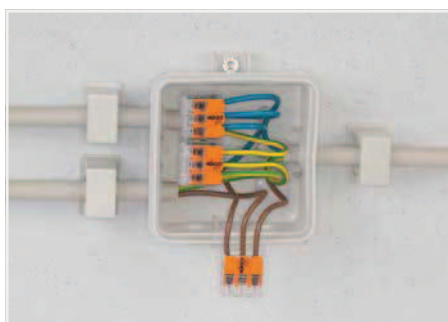
Strip conductor to 11 mm (0.43 inch).



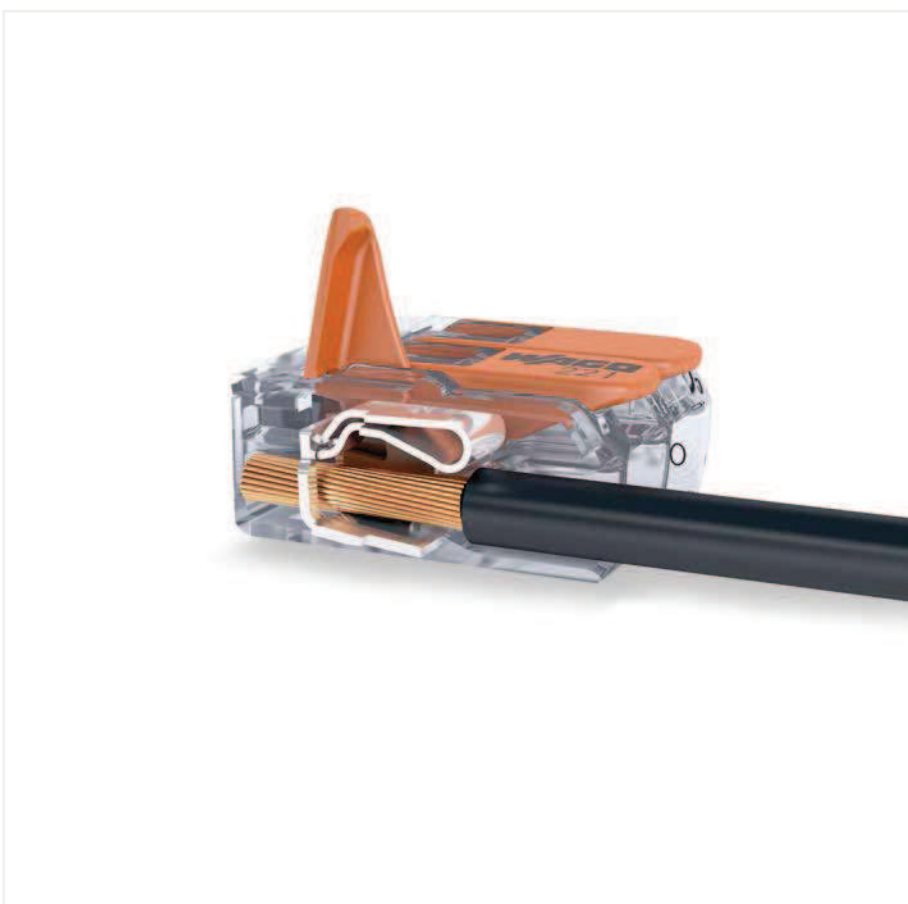
Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



Then, lower the lever to close the clamp.



Wiring fine-stranded conductors in a junction box.



8



Custom low-voltage lighting systems



Wiring fine-stranded conductors in a junction box.



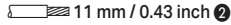
Lighting distribution in ceiling canopy



Pendant light connection in suspended ceilings

COMPACT Splicing Connector for All Conductor Types; 4 mm² 221 Series

Technical Data

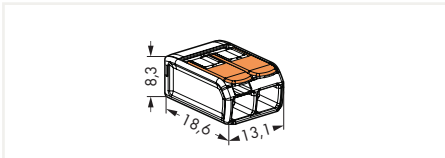
0.2 ... 4 mm ² "s+st"	24 ... 12 AWG
0.14 ... 4 mm ² "f-st"	
450 V / 4 kV / 2 ①; I _N 32 A	
	



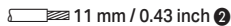
COMPACT PUSH WIRE® connector for junction boxes; 2-wire connector; with levers; continuous operating temperature (max.): 105°C; ambient temperature (max.): 85°C

	Item No.	Pack. Unit
	221-412	1000 (10x100)

Dimensions (in mm):



Technical Data

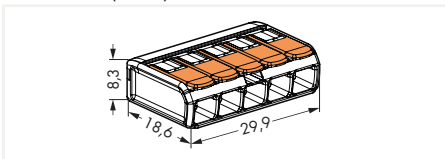
0.2 ... 4 mm ² "s+st"	24 ... 12 AWG
0.14 ... 4 mm ² "f-st"	
450 V / 4 kV / 2 ①; I _N 32 A	
	



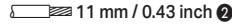
COMPACT PUSH WIRE® connector for junction boxes; 5-wire connector; with levers; continuous operating temperature (max.): 105°C; ambient temperature (max.): 85°C

	Item No.	Pack. Unit
	221-415	250 (10x25)

Dimensions (in mm):



Technical Data

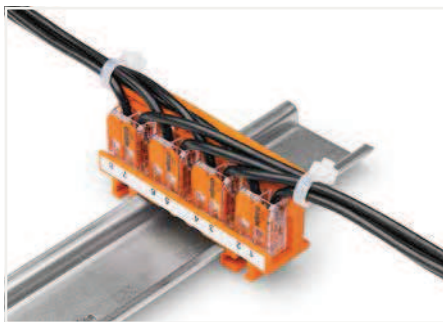
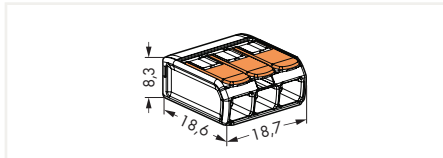
0.2 ... 4 mm ² "s+st"	24 ... 12 AWG
0.14 ... 4 mm ² "f-st"	
450 V / 4 kV / 2 ①; I _N 32 A	
	



COMPACT PUSH WIRE® connector for junction boxes; 3-wire connector; with levers; continuous operating temperature (max.): 105°C; ambient temperature (max.): 85°C

	Item No.	Pack. Unit
	221-413	500 (10x50)

Dimensions (in mm):



Strain relief via cable ties on the mounting carrier (transverse to the connectors' wiring direction) – clamping units labeled via marking strips (210-334)



Vertical mounting with strain relief plate on DIN-35 rail

COMPACT Splicing Connectors

They connect up to five stripped, fine-stranded » conductors from 0.14 to 4 mm², as well as solid or stranded conductors from 0.2 to 4 mm² (24–12 AWG) – without tools!

How these work:

Pull up one of the orange operating levers to open » the clamping unit. Then insert the conductor and push the lever back down, flush with the connector housing.

Safety:

The specially designed rest position of the lever reliably prevents accidental unclamping of a connected conductor.

Application safety, for any type of conductor (solid, stranded, fine-stranded), is confirmed by approvals like ENEC or UL.

» ENEC is the European mark for electrical products that demonstrates compliance with European safety standards. The ENEC mark is subjected to the same EN standards as the VDE mark.

While the VDE mark is only permitted in Germany, the ENEC mark is accepted in more than 20 European countries.

① In grounded power lines

- » 450 V = rated voltage
- » 4 kV = rated surge voltage
- » 2 = pollution degree

» ② Strip length, see packaging or instructions

Accessories

Mounting carrier; for 2-, 3- and 5-wire connectors; carrier width: 17.5 mm

orange	221-500	50
--------	---------	----

Angled DIN-rail adapter; in combination with mounting carrier for DIN-35 rail mounting; carrier width: 18.5 mm

gray	222-510	50
------	---------	----

Strain relief plate; for mounting carrier (221-500 and 222-505); 4 mm thick

orange	222-505	50
--------	---------	----

Self-adhesive marking strip; plain; 5 mm high; 48 self-adhesive strips per card

white	210-334	1
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Horizontal mounting on DIN-35 rail using an angled DIN-rail adapter

COMPACT Splicing Connectors for All Conductor Types

Description and Installation

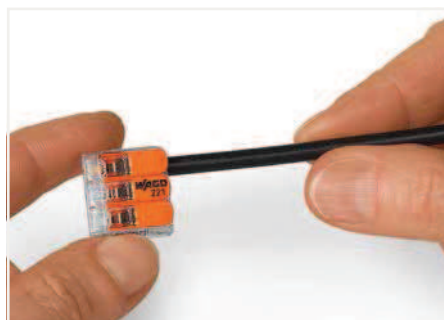
221 Series



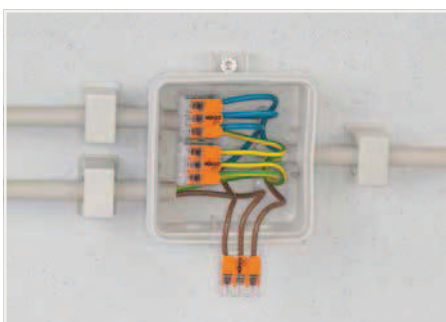
Strip conductor to 11 mm (0.43 inch).



Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



Then, lower the lever to close the clamp.



Wiring fine-stranded conductors in a junction box.



8



Custom low-voltage lighting systems



Wiring fine-stranded conductors in a junction box.



Lighting distribution in ceiling canopy



Pendant light connection in suspended ceilings

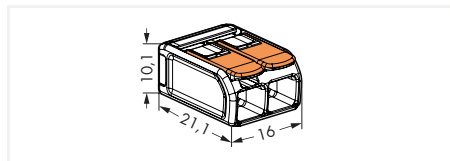
COMPACT Splicing Connector for All Conductor Types; 6 mm² 221 Series

Technical Data	
0.5 ... 6 mm ²	20 ... 10 AWG
450 V / 4 kV / 2 ①; I _N 41 A	
12 ... 14 mm / 0.47 ... 0.55 inch ②	

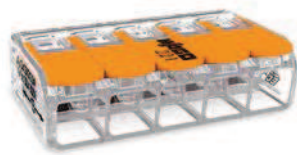


COMPACT PUSH WIRE® connector for junction boxes; 2-wire connector; with levers; continuous operating temperature (max.): 105°C; ambient temperature (max.): 85°C

Item No.	Pack. Unit
221-612	500 (10x50)

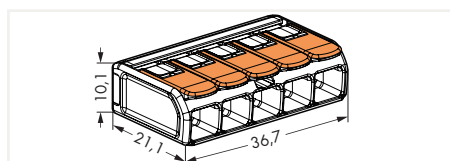


Technical Data	
0.5 ... 6 mm ²	20 ... 10 AWG
450 V / 4 kV / 2 ①; I _N 41 A	
12 ... 14 mm / 0.47 ... 0.55 inch ②	



COMPACT PUSH WIRE® connector for junction boxes; 5-wire connector; with levers; continuous operating temperature (max.): 105°C; ambient temperature (max.): 85°C

Item No.	Pack. Unit
221-615	200 (10x20)

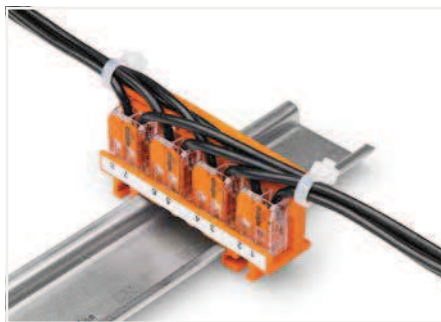
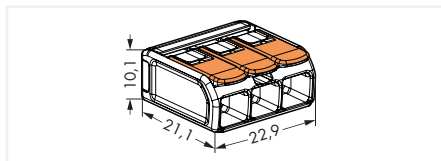


Technical Data	
0.5 ... 6 mm ²	20 ... 10 AWG
450 V / 4 kV / 2 ①; I _N 41 A	
12 ... 14 mm / 0.47 ... 0.55 inch ②	



COMPACT PUSH WIRE® connector for junction boxes; 3-wire connector; with levers; continuous operating temperature (max.): 105°C; ambient temperature (max.): 85°C

Item No.	Pack. Unit
221-613	400 (10x40)



Strain relief via cable ties on the mounting carrier (transverse to the connectors' wiring direction) – clamping units labeled via marking strips (210-334)



Vertical mounting with strain relief plate on DIN-35 rail

COMPACT Splicing Connectors
» They connect up to five conductors from 0.5 to 6 mm² (20–10 AWG) – without tools!

How these work:
Pull up one of the orange operating levers to open » the clamping unit. Then insert the conductor and push the lever back down, flush with the connector housing.

Safety:
The specially designed rest position of the lever reliably prevents accidental unclamping of a connected conductor.
Application safety, for any type of conductor (solid, stranded, fine-stranded), is confirmed by approvals like ENEC or UL.

» ENEC is the European mark for electrical products that demonstrates compliance with European safety standards. The ENEC mark is subjected to the same EN standards as the VDE mark.
While the VDE mark is only permitted in Germany, the ENEC mark is accepted in more than 20 European countries.

- ① In grounded power lines
450 V = rated voltage
- » 4 kV = rated surge voltage
2 = pollution degree
- » ② Strip length, see packaging or instructions

Accessories
Mounting carrier; for 2-, 3- and 5-wire connectors; carrier width: 19.3 mm

orange	221-510	50
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Angled DIN-rail adapter; in combination with mounting carrier for DIN-35 rail mounting; carrier width: 18.5 mm

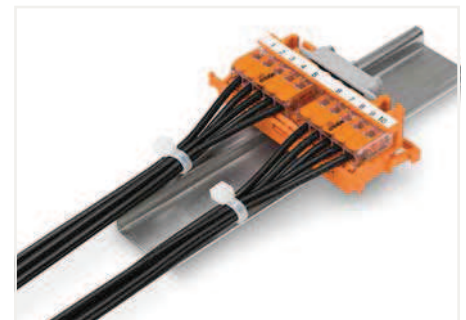
gray	222-510	50
------	---------	----

Strain relief plate; for mounting carrier (221-500 and 222-505); 4 mm thick

orange	222-505	50
--------	---------	----

Self-adhesive marking strip; plain; 5 mm high; 48 self-adhesive strips per card

white	210-334	1
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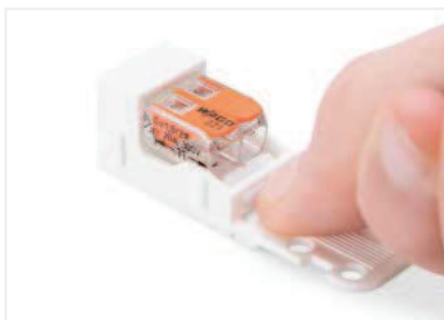


Horizontal mounting on DIN-35 rail using an angled DIN-rail adapter

Mounting Carriers for Single Connectors Installation 221 Series



Inserting a connector into the mounting carrier.



Removing a connector from the mounting carrier.



Inserting a conductor.



Use a cable tie to secure the conductors to the strain relief plate.



Labeling



Testing a connector mounted on the carrier via test slot.

8



The strain relief plate can be removed.



Horizontal screw mounting



Vertical screw mounting



Horizontal mounting via snap-in foot



Vertical mounting via snap-in foot



Connecting a light to the mains.

Mounting Carriers for Single Connectors 221 Series

for 2-wire connectors



For screw mounting; dimensions from the surface (mm)
W x H x D: 18.1 x 16.9 x 52.8

Color	Item No.	Pack. Unit
○ white	221-502	50 (5x10)
● black	221-502/000-004	50 (5x10)

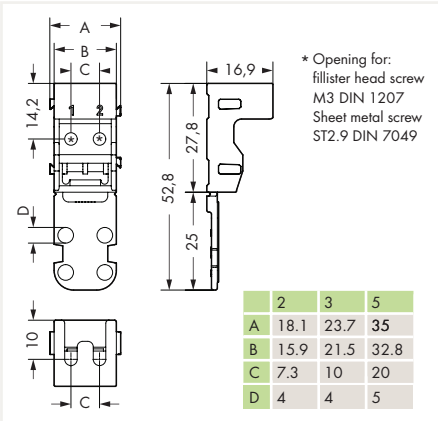
With snap-in mounting foot for horizontal mounting;
dimensions from the surface (mm) W x H x D:
18.1 x 16.9 (+4.5 snap-in mounting foot)x 52.8

Color	Item No.	Pack. Unit
○ white	221-512	50 (5x10)
● black	221-512/000-004	50 (5x10)

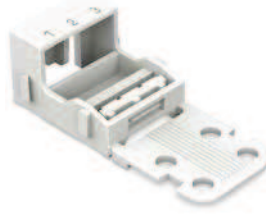
With snap-in mounting foot for vertical mounting; dimen-
sions from the surface (mm) W x H x D:
18.1 x 52.8 (+4.5 snap-in mounting foot)x 16.9

Color	Item No.	Pack. Unit
○ white	221-522	50 (5x10)
● black	221-522/000-004	50 (5x10)

Dimensions (in mm):



for 3-wire connectors



For screw mounting; dimensions from the surface (mm)
W x H x D: 23.7 x 16.9 x 52.8

Color	Item No.	Pack. Unit
○ white	221-503	50 (5x10)
● black	221-503/000-004	50 (5x10)

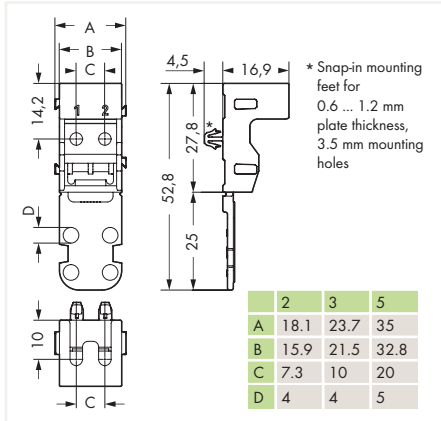
With snap-in mounting foot for horizontal mounting;
dimensions from the surface (mm) W x H x D:
23.7 x 16.9 (+4.5 snap-in mounting foot)x 52.8

Color	Item No.	Pack. Unit
○ white	221-513	50 (5x10)
● black	221-513/000-004	50 (5x10)

With snap-in mounting foot for vertical mounting; dimen-
sions from the surface (mm) W x H x D:
23.7 x 52.8 (+4.5 snap-in mounting foot)x 16.9

Color	Item No.	Pack. Unit
○ white	221-523	50 (5x10)
● black	221-523/000-004	50 (5x10)

Dimensions (in mm):



for 5-wire connectors



For screw mounting; dimensions from the surface (mm)
W x H x D: 35 x 16.9 x 52.8

Color	Item No.	Pack. Unit
○ white	221-505	50 (5x10)
● black	221-505/000-004	50 (5x10)

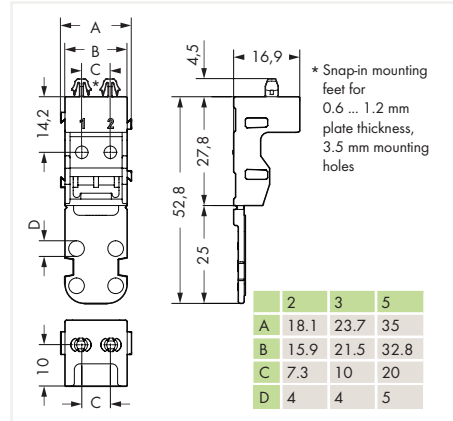
With snap-in mounting foot for horizontal mounting;
dimensions from the surface (mm) W x H x D:
35 x 16.9 (+4.5 snap-in mounting foot)x 52.8

Color	Item No.	Pack. Unit
○ white	221-515	50 (5x10)
● black	221-515/000-004	50 (5x10)

With snap-in mounting foot for vertical mounting; dimen-
sions from the surface (mm) W x H x D:
35 x 52.8 (+4.5 snap-in mounting foot)x 16.9

Color	Item No.	Pack. Unit
○ white	221-525	50 (5x10)
● black	221-525/000-004	50 (5x10)

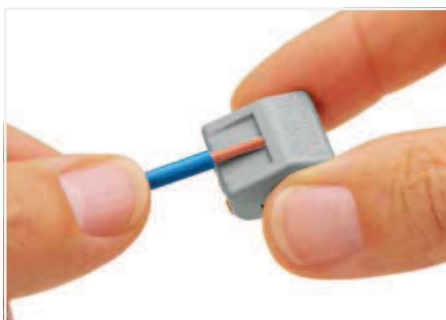
Dimensions (in mm):



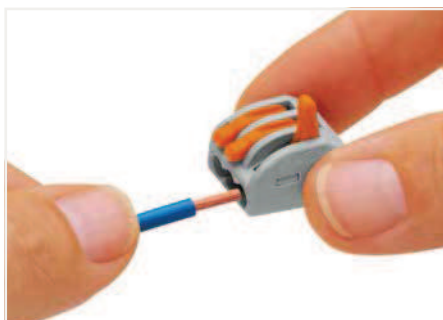
Splicing Connectors for All Conductor Types

Description and Installation

222 Series



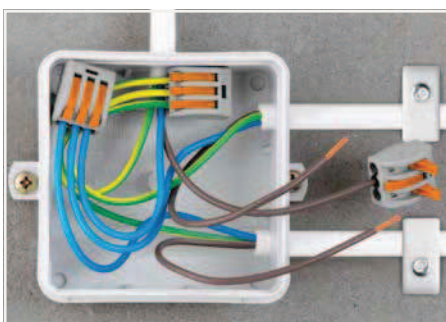
Strip conductor to 9 ... 10 mm (0.35 ... 0.39 inch).



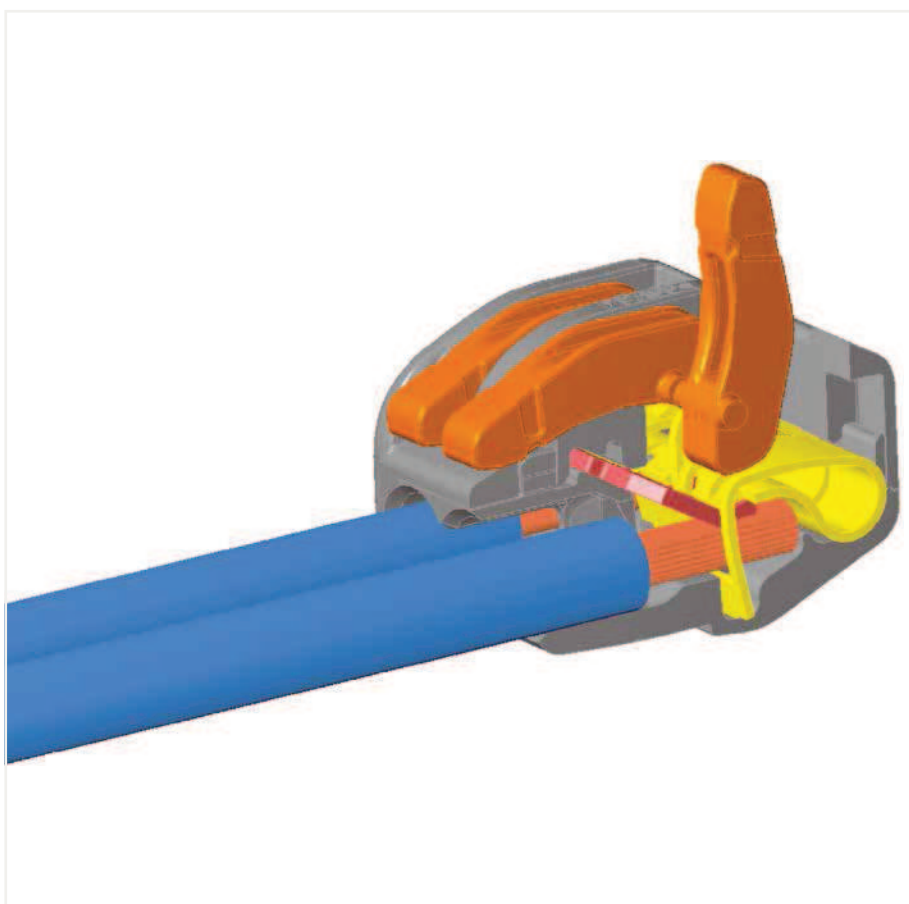
Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



Then, lower the lever to close the clamp.



Wiring fine-stranded conductors in a junction box.



Testing the wired connectors

Compact Splicing Connector for All Conductor Types

222 Series

Technical Data

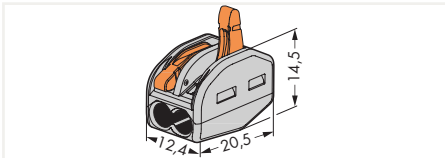
2 x 0.08 ... 2.5 mm ² "s+st"	28 ... 12 AWG "s+st"
2 x 0.08 ... 4 mm ² "f-st"	28 ... 12 AWG "f-st"
400 V / 4 kV / 2 Ⓢ; I _N 32 A	600 V; 20 A; Ⓢ
9 ... 10 mm / 0.35 ... 0.39 inch	



Splicing connector; 2-wire connector; with levers; continuous operating temperature (max.): 85°C; ambient temperature (max.): 40°C

Color	Item No.	Pack. Unit
gray	222-412	1000 (10x100)

Dimensions (in mm):



Technical Data

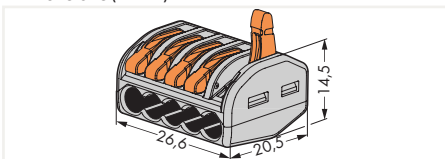
5 x 0.08 ... 2.5 mm ² "s+st"	28 ... 12 AWG "s+st"
5 x 0.08 ... 4 mm ² "f-st"	28 ... 12 AWG "f-st"
400 V / 4 kV / 2 Ⓢ; I _N 32 A	600 V; 20 A; Ⓢ
9 ... 10 mm / 0.37 inch	



Splicing connector; 5-wire connector; with levers; continuous operating temperature (max.): 85°C; ambient temperature (max.): 40°C

Color	Item No.	Pack. Unit
gray	222-415	500 (10x50)

Dimensions (in mm):



Technical Data

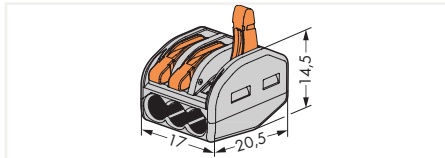
3 x 0.08 ... 2.5 mm ² "s+st"	28 ... 12 AWG "s+st"
3 x 0.08 ... 4 mm ² "f-st"	28 ... 12 AWG "f-st"
400 V / 4 kV / 2 Ⓢ; I _N 32 A	600 V; 20 A; Ⓢ
9 ... 10 mm / 0.35 ... 0.39 inch	



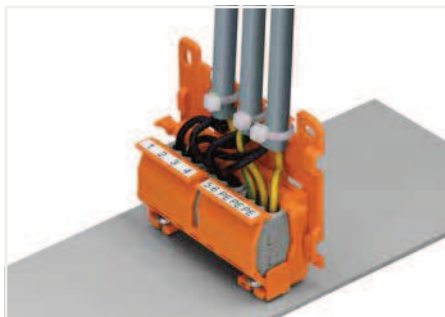
Splicing connector; 3-wire connector; with levers; continuous operating temperature (max.): 85°C; ambient temperature (max.): 40°C

Color	Item No.	Pack. Unit
gray	222-413	500 (10x50)

Dimensions (in mm):



Strain relief via cable ties on the mounting carrier (perpendicular to the connectors' wiring direction); molded marking clamping units



Mounting carrier with strain relief plate mounted vertically on a plate; round cable secured via strain relief lug

CLASSIC Splicing Connectors

They connect up to five stripped, fine-stranded conductors from 0.08 to 4 mm² (28–12 AWG), as well as solid or stranded conductors from up to 2.5 mm² (12 AWG) – without tools!

How these work:

Pull up one of the orange operating levers to open the clamping unit so that the lever engages and keeps the clamp in its opened position. Then insert the conductor and push the lever back down, flush with the connector housing.

Safety:

The specially designed rest position of the lever reliably prevents accidental unclamping of a connected conductor.

Application safety, for any type of conductor (solid, stranded, fine-stranded), is confirmed by approvals like ENEC or UL.

» ENEC is the European mark for electrical products that demonstrates compliance with European safety standards. The ENEC mark is subjected to the same EN standards as the VDE mark. While the VDE mark is only permitted in Germany, the ENEC mark is accepted in more than 20 European countries.

Ⓢ In grounded power lines

- » 400 V = rated voltage
- » 4 kV = rated surge voltage
- » 2 = pollution degree

Accessories

Mounting carrier; for 2-, 3- and 5-wire connectors; carrier width: 22 mm

orange	222-500	50
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Strain relief plate; for mounting carrier (221-500 and 222-505); 4 mm thick

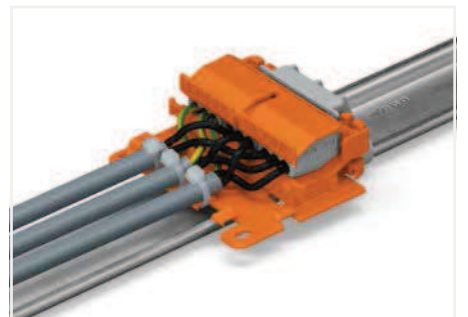
orange	222-505	50
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Angled DIN-rail adapter; in combination with mounting carrier for DIN-35 rail mounting; carrier width: 18.5 mm

gray	222-510	50
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Self-adhesive marking strip; plain; 5 mm high; 48 self-adhesive strips per card

white	210-334	1
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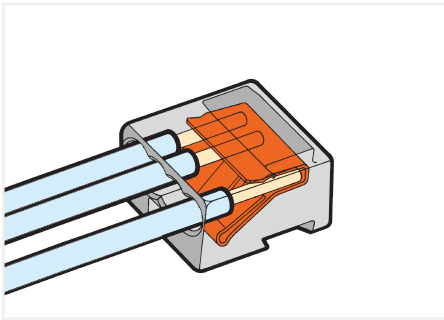


Horizontal mounting with strain relief plate on DIN-35 rail using an angled DIN-rail adapter

MICRO PUSH WIRE® Connectors for Junction Boxes and Solid Conductors

Description and Installation

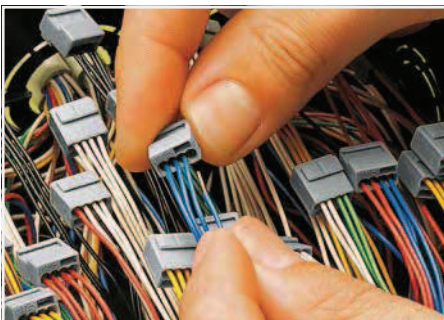
243 Series



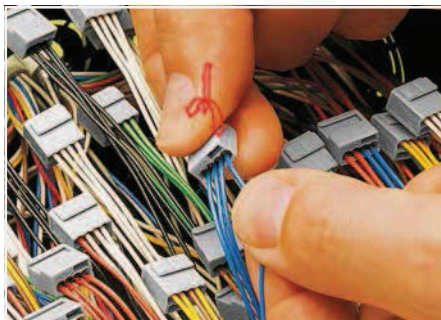
Strip solid conductors to 5 ... 6 mm (0.19 ... 0.23 inch).



Connector strips:
Assembling modular connectors into connector strips.



Termination: Insert stripped conductor until it hits back-stop.



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



Power supply

8



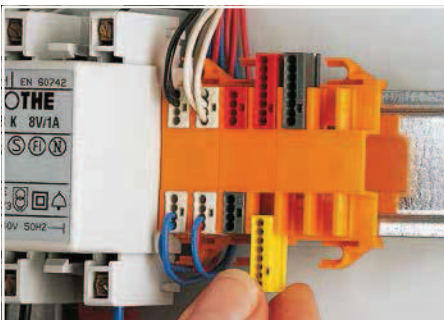
Testing



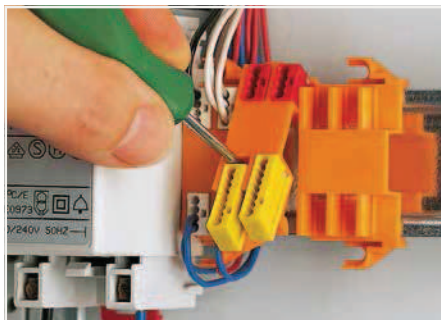
Commoned connector strips



Switch interface



Inserting a MICRO junction box connector into the mounting carrier.



Removing a mounting carrier from the assembly.

MICRO PUSH WIRE® Connector for Junction Boxes 243 Series



Technical Data	
Ø 0.6 ... 0.8 mm "s"	22 ... 20 AWG "s"
100 V / 1.5 kV / 2; I _N 6 A	150 V; 7 A;

5 ... 6 mm / 0.2 ... 24 inch



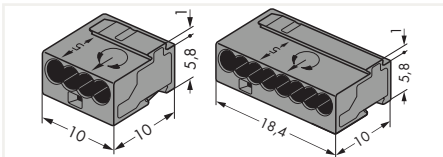
4-wire connector; continuous operating temperature (max.): 150°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
dark gray	243-204	1000 (10x100)
red	243-804	1000 (10x100)
light gray	243-304	1000 (10x100)
yellow	243-504	1000 (10x100)

8-wire connector; continuous operating temperature (max.): 150°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
dark gray	243-208	500 (10x50)
red	243-808	500 (10x50)
light gray	243-308	500 (10x50)
yellow	243-508	500 (10x50)

Dimensions (in mm):



Technical Data	
Ø 0.4 ... 0.5 mm "s"	26 ... 24 AWG "s"
100 V / 1.5 kV / 2; I _N 6 A	

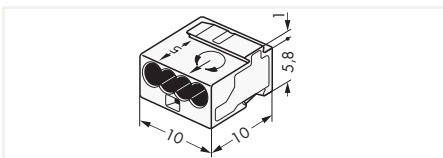
5 ... 6 mm / 0.2 ... 24 inch



4-wire connector; continuous operating temperature (max.): 150°C; ambient temperature (max.): 60°C

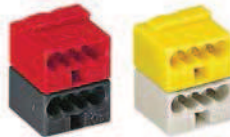
Color	Item No.	Pack. Unit
transparent	243-144	1000 (10x100)

Dimensions (in mm):



Technical Data	
4 x Ø 0.6 ... 0.8 mm² "s"	
100 V ≈ / I _N 6 A	

5 ... 6 mm / 0.2 ... 24 inch



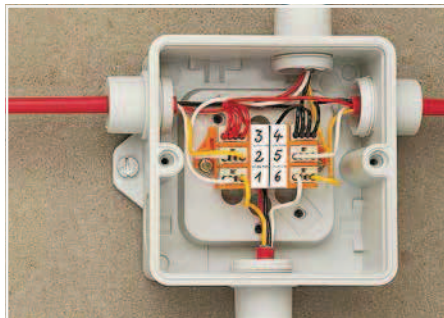
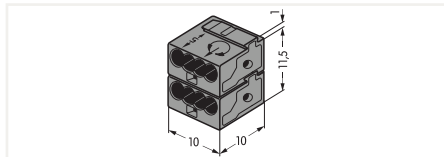
Connector strip; continuous operating temperature (max.): 150°C; ambient temperature (max.): 60°C

Color	Item No.	Pack. Unit
dark gray	243-211	50 (5x10)
assembled with red connector		

Additional version equipped with the same dovetail joints

Color	Item No.	Pack. Unit
light gray	243-212	50 (5x10)
assembled with yellow connector		

Dimensions (in mm):



Typical application in a terminal box for burglar alarm – screw mount



DIN-35 rail-mount application (residential door bell)

WAGO's 243 Series MICRO PUSH WIRE® Connectors for junction boxes can be used in both communication and alarm systems according to the VdS (German Association of Property Insurers) guidelines.

No general approval is given to PUSH WIRE® connectors by the VdS association. The connectors must be tested together with the different parts of the system.

" The requirements for connectors are specified in the VdS guidelines for junction boxes (VdS 2116) in section 9.8: "The junction box connectors must be designed to guarantee a reliable and stable connection."

The verification of the fulfillment of these requirements is documented in the VDE test report No. 2574-1440-4031 for the insulated 243 Series PUSH WIRE® Connectors for junction boxes.

- ① In grounded power lines
- " 100 V = rated voltage
- 1.5 kV = rated surge voltage
- 2 = pollution degree

Accessories

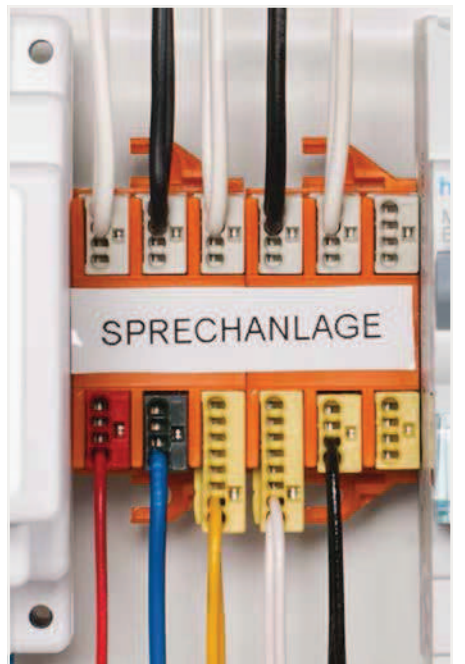
Mounting carrier; for 4- and 8-wire connectors (243 Series)			
	orange, 4 connectors	243-112	50
	orange, 4 connectors	243-113	

Marking strip; 3 strips per card

	243-110	1
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Felt-tip pen

	210-110	1
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Example of a residential intercom application