

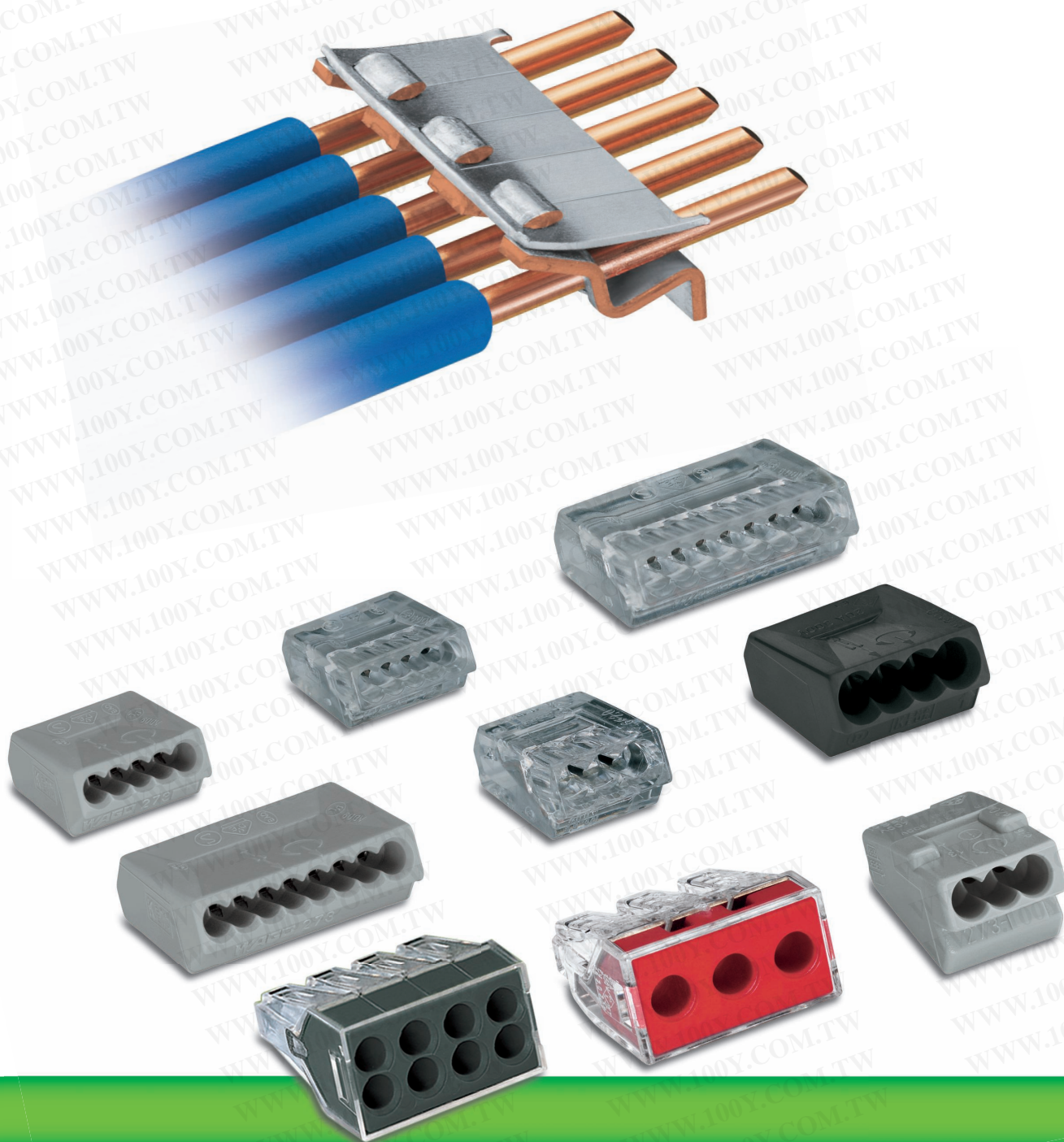
# PUSH WIRE®

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

**PUSH WIRE® connection for solid and stranded conductors (depending on model used)**

Handling:

Tool-free, twist-free terminations for solid and rigid stranded conductors – simply push into unit.



# Lighting Connectors

## PUSH WIRE® Connectors for Junction Boxes

### Compact Splicing Connectors

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 胜特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

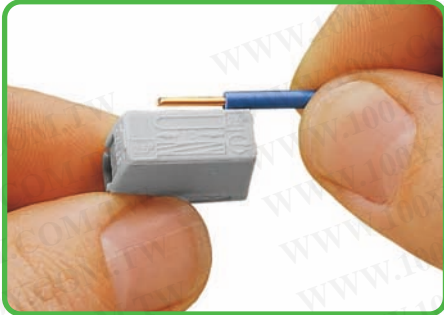
# 12

|   |   |   |   |
|---|---|---|---|
|    | <p><b>Lighting Connectors</b><br/>                     - 2.5 mm<sup>2</sup> / AWG 12<br/>                     Luminaire Disconnect Connectors</p>                 | <p>224 Series<br/>                     873 Series</p> | <p>416<br/>                     417</p> |
|    | <p><b>MICRO PUSH WIRE® Connectors for Junction Boxes</b><br/>                     - 0.8 mm Ø / AWG 20</p>   | <p>243 Series</p>                                     | <p>420 – 421</p>                        |
|   | <p><b>Mounting Carriers</b></p>   | <p>243 Series</p>                                     | <p>421</p>                              |
|  | <p><b>PUSH WIRE® Connectors for Junction Boxes</b><br/>                     - 1.5 mm<sup>2</sup> / 2.5 mm<sup>2</sup> and 4 mm<sup>2</sup> (AWG 16/12 and 10)</p> | <p>273 Series</p>                                     | <p>424</p>                              |
|  | <p><b>Mounting Carriers</b></p>   | <p>273 Series</p>                                     | <p>426</p>                              |
|  | <p><b>PUSH WIRE® Connectors for Junction Boxes</b><br/>                     - 2.5 mm<sup>2</sup> and 6 mm<sup>2</sup> (AWG 12 and 10)</p>                         | <p>773 Series</p>                                     | <p>428</p>                              |
|  | <p><b>PUSH WIRE® Connectors for Junction Boxes</b><br/>                     - 2.5 mm<sup>2</sup> and 6 mm<sup>2</sup> (AWG 12 and 10)</p>                         | <p>773 Series</p>                                     | <p>430</p>                              |
|  | <p><b>Compact Splicing Connectors</b><br/>                     - 2.5 mm<sup>2</sup> / AWG 14<br/>                     Mounting Carriers</p>                       | <p>222 Series<br/>                     222 Series</p> | <p>433<br/>                     435</p> |

# Lighting Connectors, 224 Series – Description and Handling –

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 胜特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

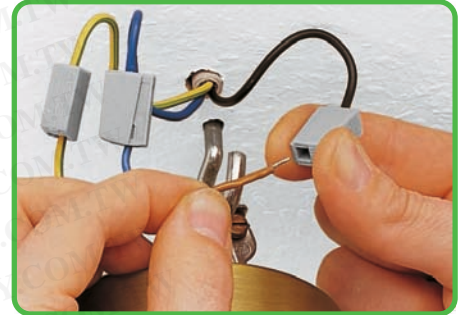
## Lighting side



Strip conductor to 9 - 11 mm / 0.39 in.

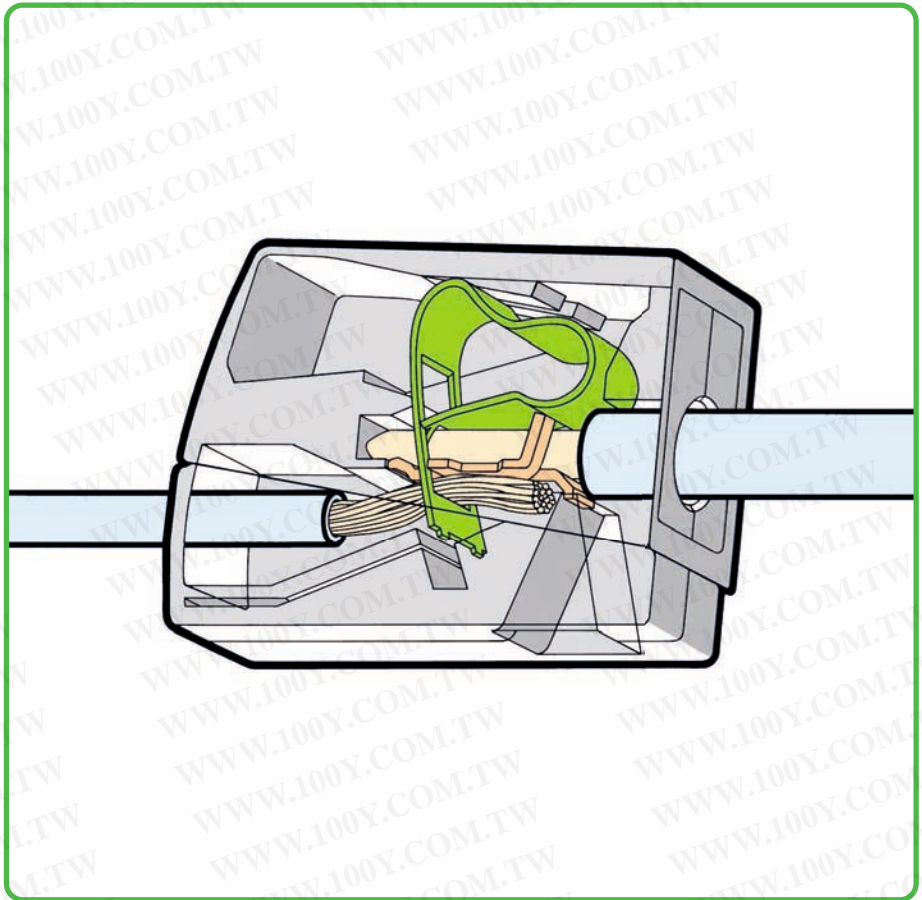


To connect: Press button fully and insert stripped conductor into square entry until it hits backstop and release.



To remove: Press button and withdraw conductor.

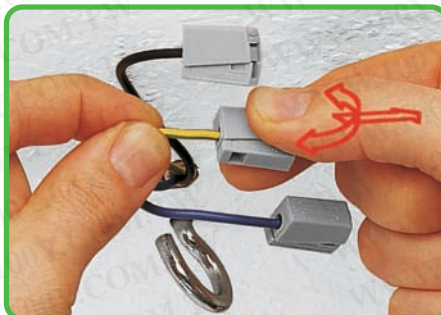
## CAGE CLAMP® clamps the following copper conductors: \*



## Installation side



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 pulling the connector.



Testing through separate test slot.



## PUSH WIRE® clamps the following copper conductors: \*

solid

\* Use contact paste "Alu-Plus" when connecting aluminum conductors  
 Item No. 249-130

# Application Examples

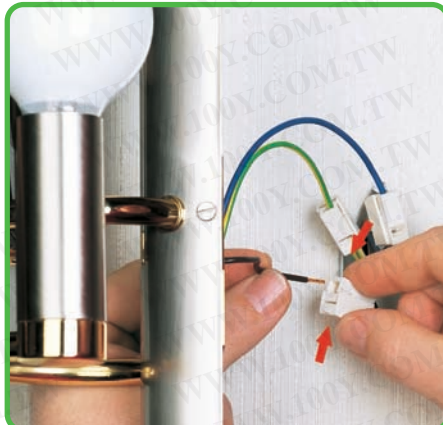
CAGE CLAMP®

PUSH WIRE®

12

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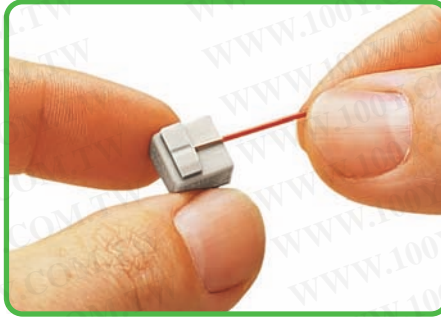
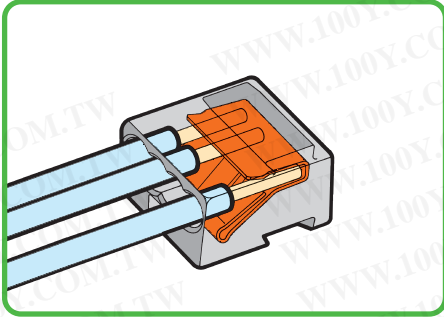


12





Strip length



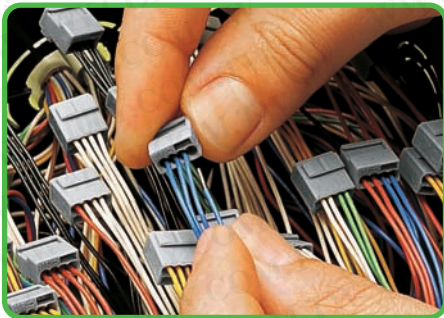
Strip solid conductor to 5 - 6 mm / 0.22 in.

Connector strips



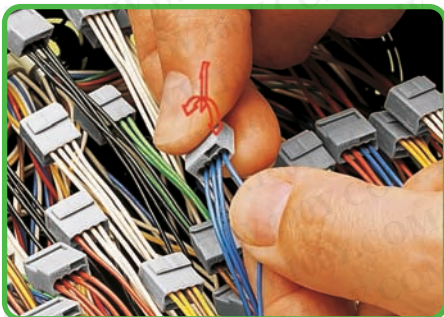
Assembly of modular connectors to connector strips.

**PUSH WIRE® connection**



Termination: Insert stripped conductor fully.

**PUSH WIRE® connection**



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



Testing



Testing

Commoning



Commoned connector strips

Packing units



Box for use on site (example)  
 Contents of 243 Series: 50 pcs 8-conductor  
 100 pcs 4-conductor



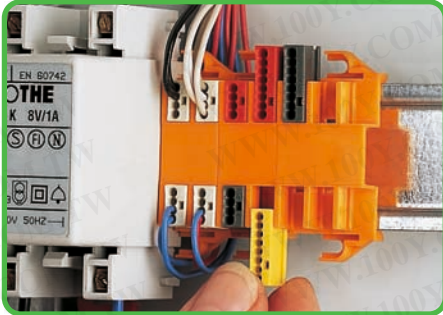
**PUSH WIRE®**  
 clamps the following  
 copper conductors:\*

solid

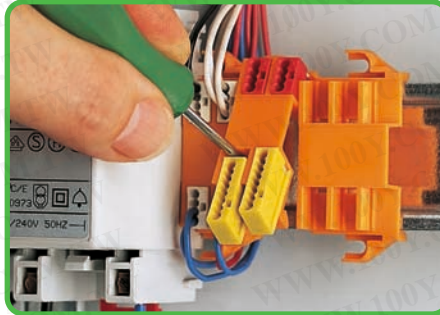
\* Use contact paste  
 "Alu-Plus" when  
 connecting aluminum  
 conductors  
 Item No. 249-130

# Mounting Carrier for MICRO PUSH WIRE® Connectors for DIN 35 Rail or Screw Mount, 243 Series

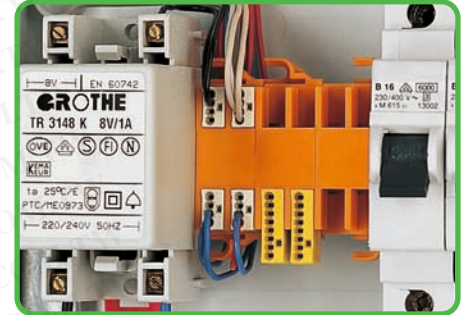
勝特力材料 886-3-5753170  
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 勝特力电子(深圳) 86-755-83298787  
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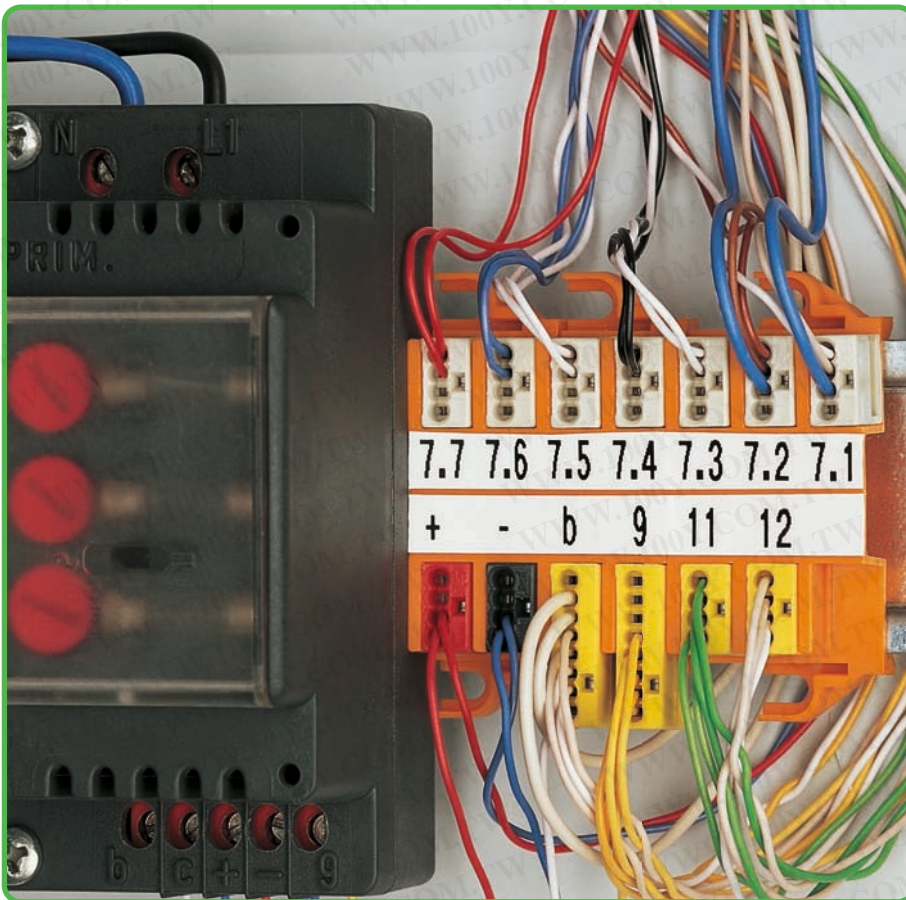
Inserting a MICRO PUSH WIRE® connector for junction boxes into the carrier.



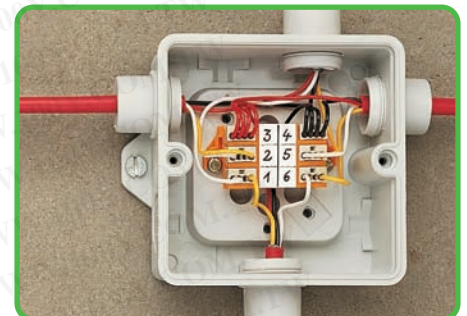
Removing a MICRO PUSH WIRE® connector from the carrier.



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



Example of residential (home) communication application



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

## Quick fix mounting

Realizing MICRO PUSH WIRE® connectors are ideal for DIN-rail mount panel applications, electrical installers have requested the ability to use them in distribution panels. MICRO PUSH WIRE® connectors provide easy connections for smaller conductors used in low-current applications. They are well-suited to terminating telephone-style conductors for connecting alarms, bells, door sensors, communication systems, etc.

The mounting carrier WAGO's Professional Solution. It is available with mounting slots for 4 or 6 connectors.

Depending on the number of conductors, each mounting slot can accommodate a 4- or 8-conductor MICRO connector. The connectors simply snap into the mounting slots and are removable, allowing conductors to be exchanged during changeover.

The carrier is designed for easy mounting directly to the DIN 35 rail, or to a panel, via the screw-mount flanges provided. A large marking surface is provided for clear circuit identification. This may be directly marked with a felt-tip pen, or via pre-printed self-adhesive marker strips.

# MICRO PUSH WIRE® Connectors for Junction Boxes Ø 0.8 mm PUSH WIRE®

## 243 Series

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[Http://www.100y.com.tw](http://www.100y.com.tw)

|  |  |
|--|--|
| 0.6 - 0.8 mm Ø "s" ① AWG 22 - 20 "s"<br>100 V/1.5 kV/2 ②<br>I <sub>N</sub> 6 A<br><br>5 - 6 mm / 0.22 in ③ | 0.6 - 0.8 mm Ø "s" ① AWG 22 - 20 "s"<br>100 V/1.5 kV/2 ②<br>I <sub>N</sub> 6 A<br><br>5 - 6 mm / 0.22 in ③ |
|--|--|



- ① When using conductors with the same diameter, a 0.5 mm/AWG 24 or 1 mm/AWG 18 diameters are also possible.
- ② 100 V = rated voltage  
 1.5 kV = rated surge voltage  
 2 = pollution degree  
 (also see Section 14)
- ③ Strip length, see packaging or instructions.

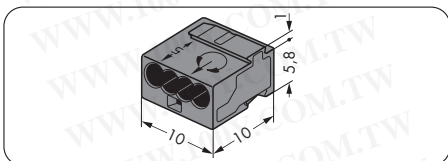
| Color  | Item No. | Pack. Unit    | Color  | Item No. | Pack. Unit  |
|--|----------|---------------|--|----------|-------------|
| MICRO PUSH WIRE® connector for junction boxes, 4-conductor connector |          |               | MICRO PUSH WIRE® connector for junction boxes, 8-conductor connector |          |             |
| dark gray  | 243-204  | 1000 (10x100) | dark gray  | 243-208  | 500 (10x50) |
| red  | 243-804  | 1000 (10x100) | red  | 243-808  | 500 (10x50) |

The 243 Series of WAGO PUSH WIRE® connectors can be used in both communication and alarm systems according to the VdS (German Association of Property Insurers) guidelines.

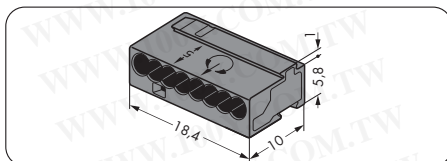
No general approval is given to push-wire connectors by the VdS association. The connectors must be tested together with the different parts of the system.

The requirements for connectors are specified in the VdS guidelines for junction boxes (VdS 2116) in section 8.7: "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 243 Series of insulated PUSH WIRE® connectors.



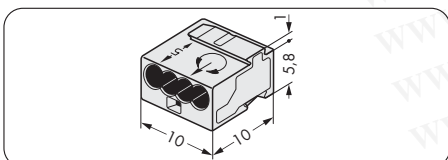
Dimensions in mm



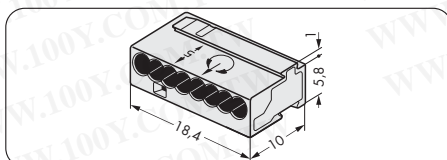
Dimensions in mm



| Color  | Item No. | Pack. Unit    | Color  | Item No. | Pack. Unit  |
|--|----------|---------------|--|----------|-------------|
| MICRO PUSH WIRE® connector for junction boxes, 4-conductor connector |          |               | MICRO PUSH WIRE® connector for junction boxes, 8-conductor connector |          |             |
| light gray   | 243-304  | 1000 (10x100) | light gray   | 243-308  | 500 (10x50) |
| yellow   | 243-504  | 1000 (10x100) | yellow   | 243-508  | 500 (10x50) |



Dimensions in mm



Dimensions in mm


# MICRO PUSH WIRE® Connectors for Junction Boxes Ø 0.5 mm and Mounting Carriers for DIN 35 Rail or Screw Mount

## 243 Series

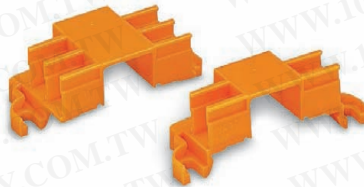
PUSH WIRE®

12

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|  |                  |
|--|------------------|
| 0.4 - 0.5 mm Ø "s"   AWG 26 - 24 "s"<br>100 V/1.5 kV/2 ①<br>I <sub>N</sub> 6 A                         | Mounting carrier |
|  5 - 6 mm / 0.22 in ② |                  |

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- ① 100 V = rated voltage  
1.5 kV = rated surge voltage  
2 = pollution degree  
(also see Section 14)
- ② Strip length, see packaging or instructions.

② Strip length, see packaging or instructions.

### Quick fix mounting

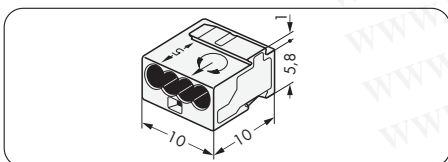
Realizing MICRO PUSH WIRE® connectors are ideal for DIN-rail mount panel applications, electrical installers have requested the ability to use them in distribution panels. MICRO PUSH WIRE® connectors provide easy connections for smaller conductors used in low-current applications. They are well-suited to terminating telephone-style conductors for connecting alarms, bells, door sensors, communication systems, etc.

The mounting carrier WAGO's Professional Solution. It is available with mounting slots for 4 or 6 connectors.

Depending on the number of conductors, each mounting slot can accommodate a 4- or 8-conductor MICRO connector. The connectors simply snap into the mounting slots and are removable, allowing conductors to be exchanged during changeover.

The carrier is designed for easy mounting directly to the DIN 35 rail, or to a panel, via the screw-mount flanges provided. A large marking surface is provided for clear circuit identification. This may be directly marked with a felt-tip pen, or via pre-printed self-adhesive marker strips.

| Color  | Item No. | Pack. Unit    | Color   | Item No. | Pack. Unit |
|--|----------|---------------|---|----------|------------|
| <b>MICRO PUSH WIRE® connector for junction boxes,</b><br>4-conductor connector |          |               | <b>Mounting carrier,</b><br>for 4 MICRO PUSH WIRE® connectors   |          |            |
| transparent  | 243-144  | 1000 (10x100) | orange  | 243-112  | 50 (5x10)  |
|  |          |               | <b>Mounting carrier,</b><br>for 6 MICRO PUSH WIRE® connectors   |          |            |
|  |          |               | orange  | 243-113  | 50 (5x10)  |
| <b>Item-Specific Accessories</b>   |          |               |   |          |            |
|  |          |               | <b>Self-adhesive marking strips, plain,</b><br>Height of marking strip: 7 mm, 6 self-adhesive strips per card |          |            |
|  |          |               | white   | 243-110  | 1          |



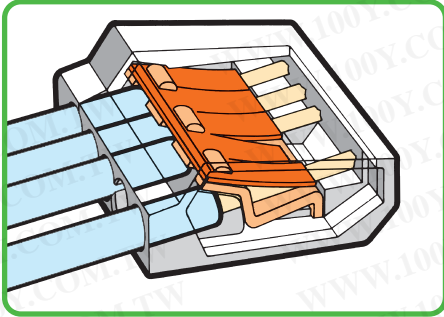
Dimensions in mm

For list of approvals and user guide, see pages 540 and 542.

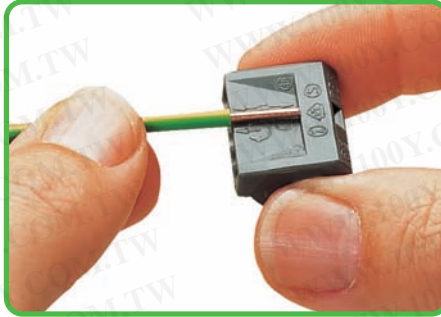
12

# MICRO PUSH WIRE® Connectors for Junction Boxes, 273 Series PUSH WIRE®

## - Description and Handling -



Strip length



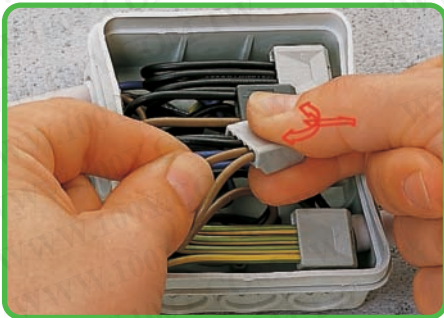
Strip solid conductor to 10 - 13 mm / 0.45 in.

PUSH WIRE® connection



Termination: Insert stripped solid conductor fully.

PUSH WIRE® connection

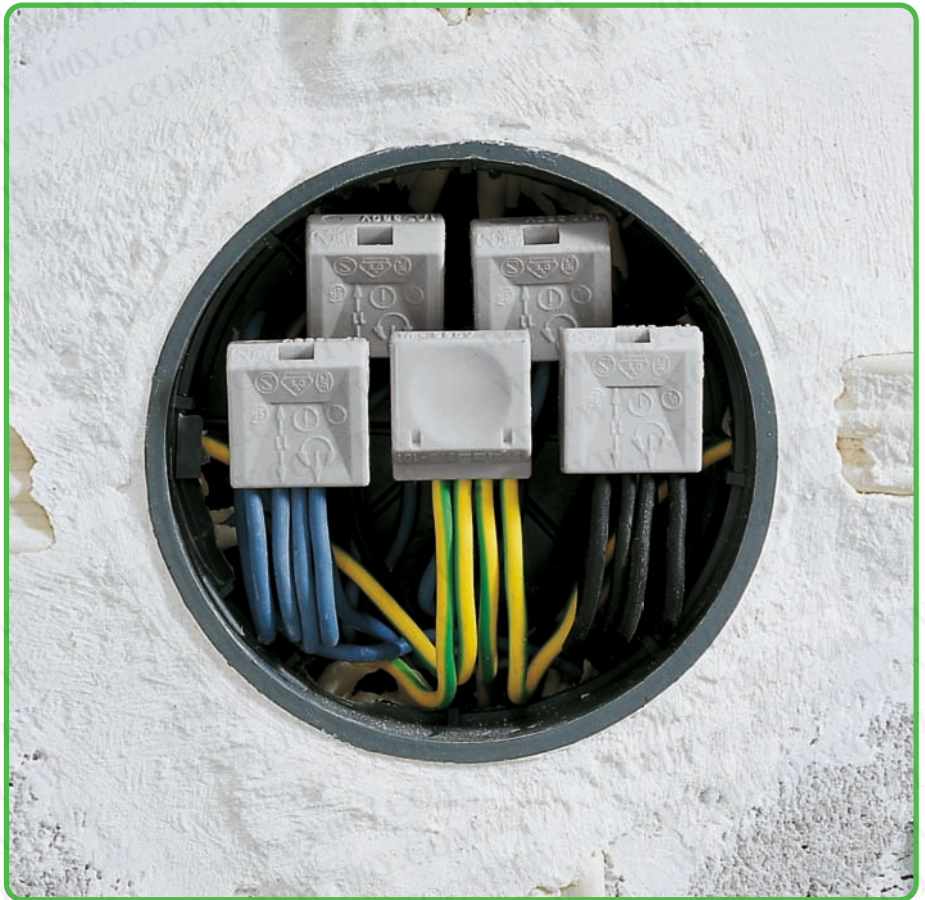


Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector.

Testing



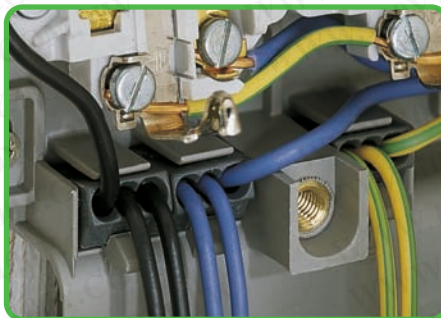
Testing



Applications



PUSH WIRE® connectors used in a cable duct with double power outlet



Packing unit



Wholesale package with 10 boxes for use on site



PUSH WIRE® clamps the following copper conductors:\*

solid

\* Use contact paste "Alu-Plus" when connecting aluminum conductors  
Item No. 249-130

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 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

# Mounting Carrier for PUSH WIRE® Connectors for DIN 35 Rail or Screw Mount, 273 Series

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 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



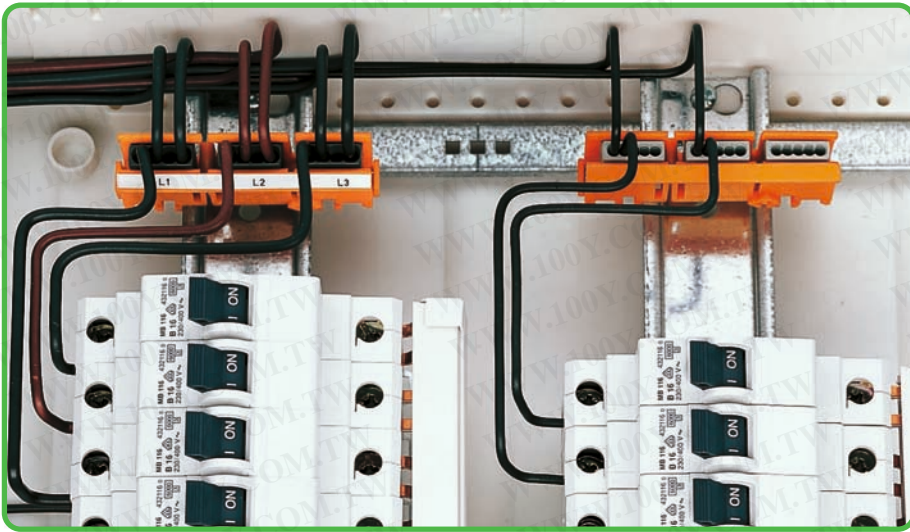
Snap off cover . . .



. . . and use as end plate.



Snapping on to carrier rail.



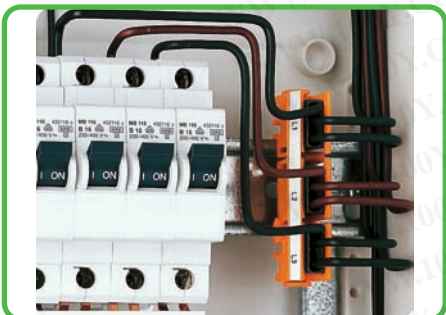
Removing from the carrier rail.

## PUSH WIRE® connectors in distribution boxes

During junction box changes or expansions, conductors often require extensions or additional clamping points. Individual PUSH WIRE® connectors (e.g., 222, 243, 273 and 773 Series) are approved as interconnect components for building wiring according to EN 60998. Application standards for building installation (e.g., parts 510 and 520 from DINVDE 0100) also place the following requirements on connectors for junction boxes:

- They must be arranged so that operation, inspection, maintenance and access to the removable connectors is made easy.
- 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 PUSH WIRE® connectors alone. In combination with WAGO mounting carriers, the PUSH WIRE® connectors clearly meet these requirements, making them comparable to terminal blocks. Using PUSH WIRE® connectors with mounting carriers in junction boxes is accepted by testing authorities.



FIXED IN POSITION - on a DIN 35 rail



FIXED IN POSITION - screw fixing

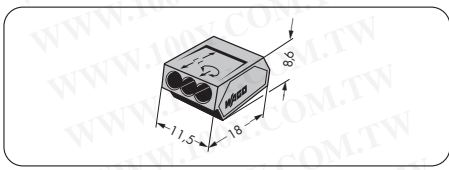
# PUSH WIRE® Connectors for Junction Boxes 273 Series

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

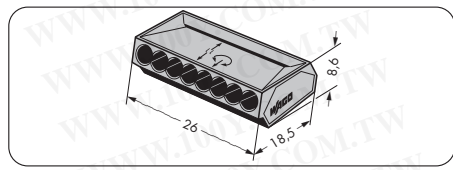
|   |   |  |
|---|---|--|
| 0.75 - 1.5 mm <sup>2</sup> "s" ① AWG 18 - 16 "s"<br>400 V/4 kV/2 ③<br>I <sub>N</sub> 18 A<br>10 - 13 mm / 0.45 in ④ | 0.75 - 1.5 mm <sup>2</sup> "s" ① AWG 18 - 16 "s"<br>400 V/4 kV/2 ③<br>I <sub>N</sub> 18 A<br>10 - 13 mm / 0.45 in ④ | 1 - 2.5 mm <sup>2</sup> "s" ② AWG 14 - 12 "s"<br>400 V/4 kV/2 ③<br>I <sub>N</sub> 24 A<br>10 - 13 mm / 0.45 in ④ |
|---|---|--|



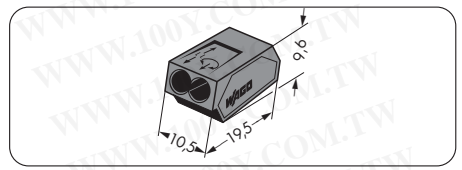
| Color  | Item No. | Pack. Unit | Color  | Item No. | Pack. Unit | Color  | Item No. | Pack. Unit |
|--|----------|------------|--|----------|------------|--|----------|------------|
| PUSH WIRE® connector for junction boxes, 3-conductor connector |          |            | PUSH WIRE® connector for junction boxes, 8-conductor connector |          |            | PUSH WIRE® connector for junction boxes, 2-conductor connector |          |            |
| gray   | 273-100  | 1000       | gray   | 273-108  | 500        | dark gray  | 273-112  | 1000       |
| transparent  | 273-153  | 1000       | transparent  | 273-158  | 500        | transparent  | 273-252  | 1000       |



Dimensions in mm



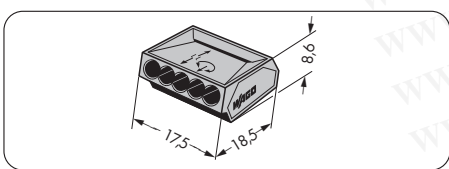
Dimensions in mm



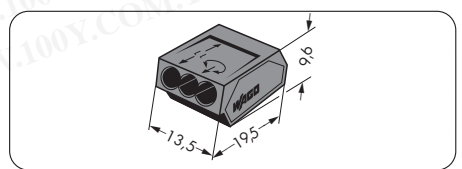
Dimensions in mm



| Color  | Item No. | Pack. Unit | Color  | Item No. | Pack. Unit |
|--|----------|------------|--|----------|------------|
| PUSH WIRE® connector for junction boxes, 5-conductor connector |          |            | PUSH WIRE® connector for junction boxes, 3-conductor connector |          |            |
| gray   | 273-101  | 1000       | dark gray  | 273-104  | 1000       |
| transparent  | 273-155  | 1000       | transparent  | 273-253  | 1000       |

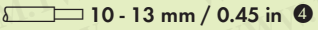
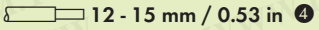


Dimensions in mm



Dimensions in mm

For list of approvals and user guide, see pages 540 and 542.

|   |  |   |  |
|---|--|---|--|
| <b>1 - 2.5 mm<sup>2</sup> "s"</b> ②<br><b>400 V/4 kV/2</b> ③<br><b>I<sub>N</sub> 24 A</b>                       | <b>AWG 14 - 12 "s"</b><br><b>600 V, 20 A</b> Ⓜ<br><b>600 V, 20 A</b> Ⓜ | <b>1.5 - 4 mm<sup>2</sup> "s"</b><br><b>400 V/4 kV/2</b> ③<br><b>I<sub>N</sub> 32 A</b>                         | <b>AWG 14 - 10 "s"</b><br><b>600 V, 20 A</b> Ⓜ<br><b>600 V, 30 A</b> Ⓜ |
|  <b>10 - 13 mm / 0.45 in</b> ④ |  |  <b>12 - 15 mm / 0.53 in</b> ④ |  |


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 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)




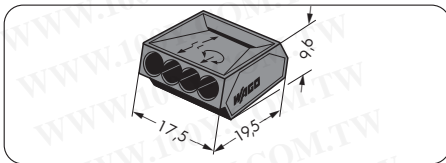
- ① When using conductors with the same diameter, a 0.5 mm<sup>2</sup>/AWG 20 cross section is also possible.
- ② When using conductors with the same diameter, a 0.75 mm<sup>2</sup>/AWG 18 cross section is also possible.
- ③ in grounded power lines  
 400 V = rated voltage  
 4 kV = rated surge voltage  
 2 = pollution degree  
 (also see Section 14)
- ④ Strip length, see packaging or instructions.

| Color   | Item No. | Pack. Unit | Color   | Item No. | Pack. Unit |
|---|----------|------------|---|----------|------------|
| <b>PUSH WIRE® connector for junction boxes, 4-conductor connector</b> |          |            | <b>PUSH WIRE® connector for junction boxes, 3-conductor connector</b> |          |            |
| dark gray   | 273-102  | 1000       | gray  | 273-403  | 500        |
| transparent   | 273-254  | 1000       | transparent   | 273-453  | 500        |

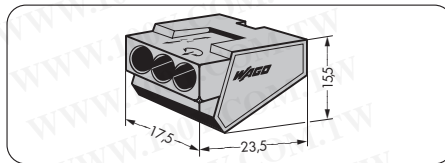
**273 Series Accessories**

**Syringe,**  
 contents: 20 ml "Alu-Plus" contact paste  
**249-130** 20 (4x5)

**Mounting carrier**  
 orange **273-150** 50 (5x10)



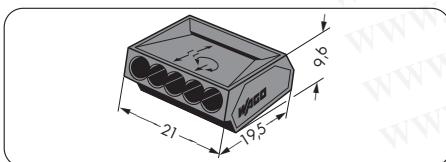
Dimensions in mm



Dimensions in mm



| Color   | Item No. | Pack. Unit |
|---|----------|------------|
| <b>PUSH WIRE® connector for junction boxes, 5-conductor connector</b> |          |            |
| dark gray   | 273-105  | 1000       |
| transparent   | 273-255  | 500        |



Dimensions in mm

# Mounting Carrier for PUSH WIRE® Connectors for DIN 35 Rail or Screw Mount, 273 Series

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[Http://www.100y.com.tw](http://www.100y.com.tw)

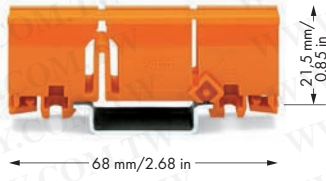
Mounting carrier



Snap off cover . . .



. . . and use as end plate.



| Color  | Item No. | Pack. Unit |
|--------|----------|------------|
| orange | 273-150  | 50 (5x10)  |

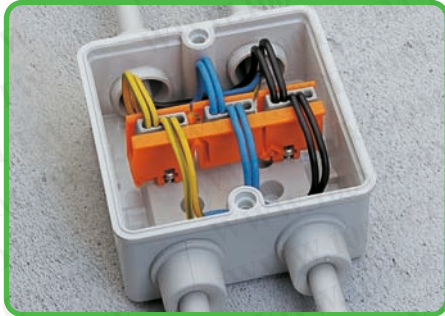
| Item-Specific Accessories            |   |           |
|--------------------------------------|---|-----------|
| Self-adhesive marking strips, plain, |   |           |
|                                      | Height of marking strip: 5 mm, 48 self-adhesive strips per card |           |
|                                      | white   | 210-334 1 |



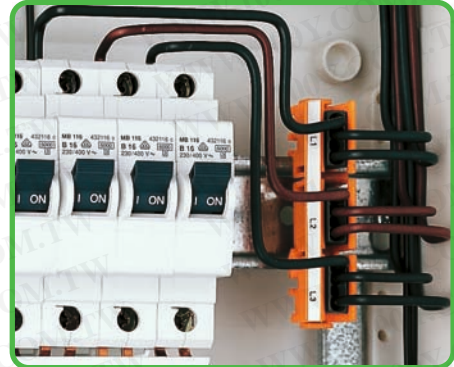
Snapping on to carrier rail.



Removing from the carrier rail.



FIXED IN POSITION - screw fixing



FIXED IN POSITION - on a DIN 35 rail

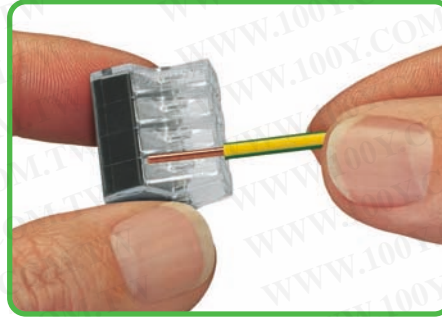
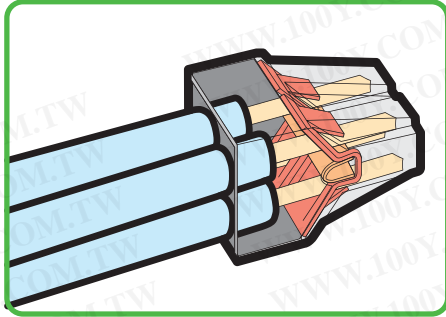
One single carrier can hold up to 15 clamping units in a very narrow space. Previously, this was only possible using rail-mount terminal blocks.

- The advantages for you are:
- The carriers are DIN 35 rail- or screw-mounted easily and quickly.
  - A carrier can hold up to three 1.5 mm<sup>2</sup> (AWG 16) or 2.5 mm<sup>2</sup> (AWG 12) 273 Series connectors (excluding the 8 x 2.5 mm<sup>2</sup> version).
  - The connectors can be easily exchanged.
  - Large marking area for self-adhesive marker strips or for direct marking with permanent felt-tip pen.

# MICRO PUSH WIRE® Connectors for Junction Boxes, 773 Series PUSH WIRE®

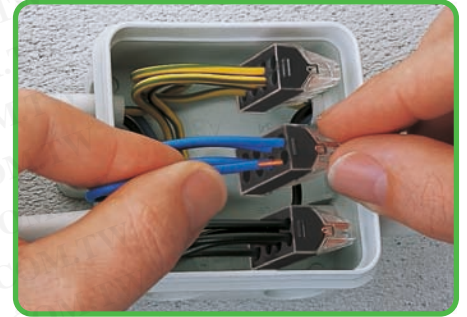
## - Description and Handling -

Stripped length



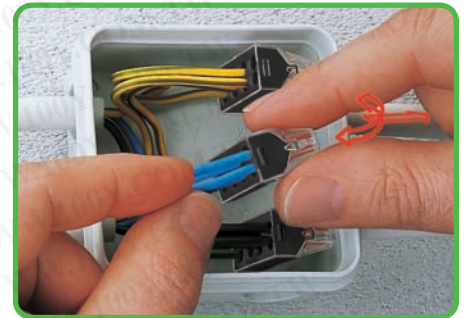
Strip solid conductor to 10 - 13 mm / 0.45 in.

PUSH WIRE® connection



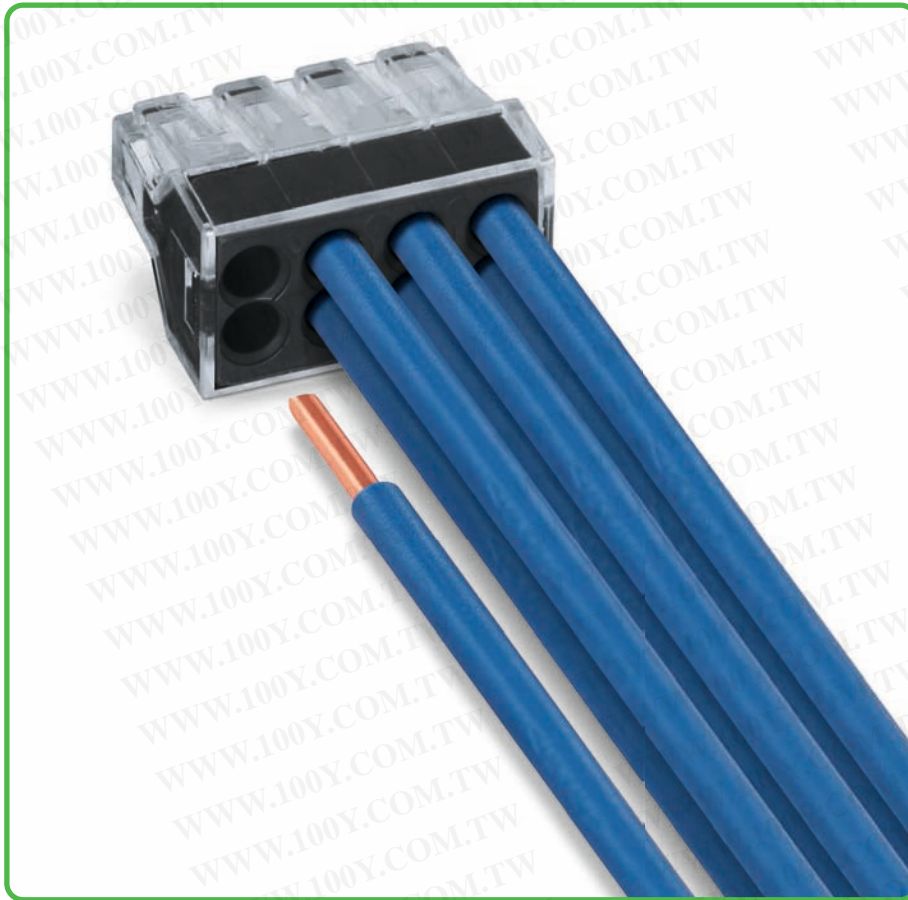
Termination: Insert stripped, solid conductor fully.

PUSH WIRE® connection



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

Testing



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[Http://www.100y.com.tw](http://www.100y.com.tw)



PUSH WIRE® clamps the following copper conductors:\*

solid

\* Use contact paste "Alu-Plus" when connecting aluminum conductors  
 Item No. 249-130

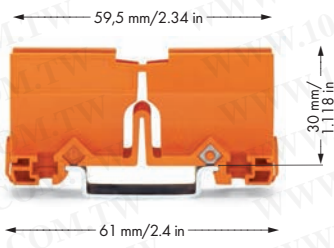


# Mounting Carrier for PUSH WIRE® Connectors for DIN 35 Rail or Screw Mount, 773 Series

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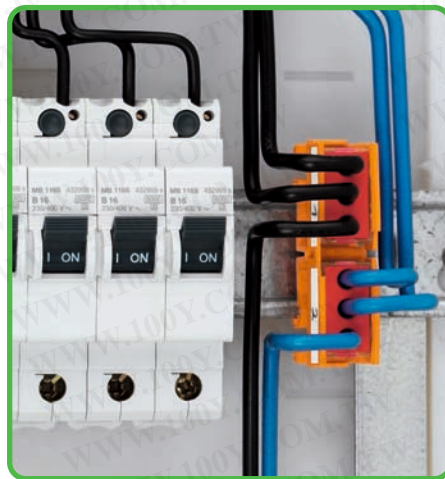
Snapping onto the carrier rail.



| Color            | Item No. | Pack. Unit |
|------------------|----------|------------|
| Mounting carrier |          |            |
| orange           | 773-332  | 50 (5x10)  |

### Item-Specific Accessories

| Self-adhesive marking strips, plain, |   |           |
|--------------------------------------|---|-----------|
|                                      | Height of marking strip: 5 mm, 48 self-adhesive strips per card |           |
|                                      | white   | 210-334 1 |



- 1 When using conductors with the same diameter, a 0.75 mm<sup>2</sup>/AWG 18 cross section is also possible.
- 2 in grounded power lines  
 400 V = rated voltage  
 4 kV = rated surge voltage  
 2 = pollution degree  
 (also see Section 14)
- 3 Strip length, see packaging or instructions.



Terminating solid and stranded 6 mm<sup>2</sup>/AWG 10 conductors.

A mounting carrier (see accessories) suits applications where the connectors must be marked and fixed in position. The carrier fits up to two connectors on DIN 35 carrier rails or screw mounting on level surfaces.

Using this PUSH WIRE® connector, a large range of wiring applications can be achieved in distribution or junction boxes, for example. To mention just a few: potential multiplication of an 6 mm<sup>2</sup>/AWG 10 conductor in a junction box, changing from or to 6 mm<sup>2</sup>/AWG 10 conductor size.

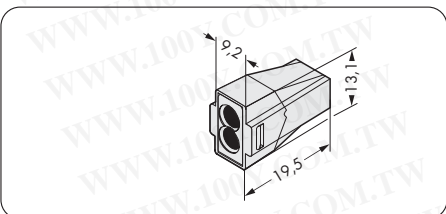
# Ex PUSH WIRE® Connectors for Junction Boxes 773 Series

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
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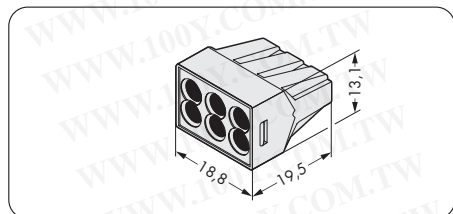
|   |                                     |   |                                     |  |                 |
|---|-------------------------------------|---|-------------------------------------|--|-----------------|
| 0.75 - 2.5 mm <sup>2</sup> "s"<br>550 V ①<br>I <sub>N</sub> 24 A<br>12 mm / 0.47 in ② | AWG 18 - 14 "s"<br>AWG 16 - 12 "st" | 0.75 - 2.5 mm <sup>2</sup> "s"<br>550 V ①<br>I <sub>N</sub> 24 A<br>12 mm / 0.47 in ② | AWG 18 - 14 "s"<br>AWG 16 - 12 "st" | 2.5 - 6 mm <sup>2</sup> "s"<br>550 V ①<br>I <sub>N</sub> 42 A<br>15 mm / 0.53 in ② | AWG 14 - 10 "s" |
|---|-------------------------------------|---|-------------------------------------|--|-----------------|



| Color  | Item No. | Pack. Unit    | Color  | Item No. | Pack. Unit  | Color  | Item No. | Pack. Unit  |
|--|----------|---------------|--|----------|-------------|--|----------|-------------|
| PUSH WIRE® connector for junction boxes, 2-conductor connector |          |               | PUSH WIRE® connector for junction boxes, 6-conductor connector |          |             | PUSH WIRE® connector for junction boxes, 3-conductor connector |          |             |
| light gray ☺   | 773-492  | 1000 (10x100) | light gray ☺   | 773-496  | 500 (10x50) | light gray ☺   | 773-493  | 500 (10x50) |



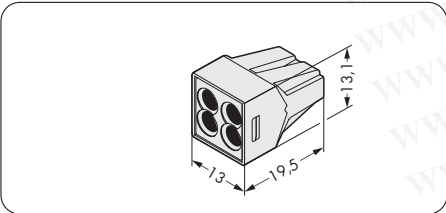
Dimensions in mm



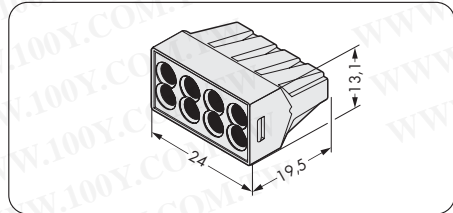
Dimensions in mm



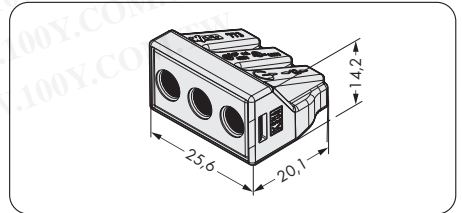
| Color  | Item No. | Pack. Unit    | Color  | Item No. | Pack. Unit  |
|--|----------|---------------|--|----------|-------------|
| PUSH WIRE® connector for junction boxes, 4-conductor connector |          |               | PUSH WIRE® connector for junction boxes, 8-conductor connector |          |             |
| light gray ☺   | 773-494  | 1000 (10x100) | light gray ☺   | 773-498  | 500 (10x50) |



Dimensions in mm



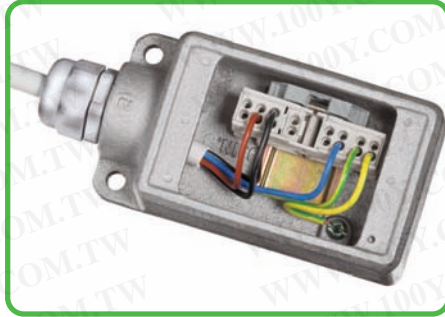
Dimensions in mm



Dimensions in mm

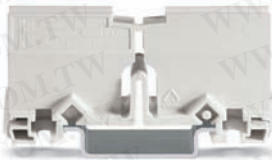
# Mounting Carrier for PUSH WIRE® Connectors for DIN 35 Rail or Screw Mount, 773 Series

Mounting carrier



Wiring example in an Ex housing

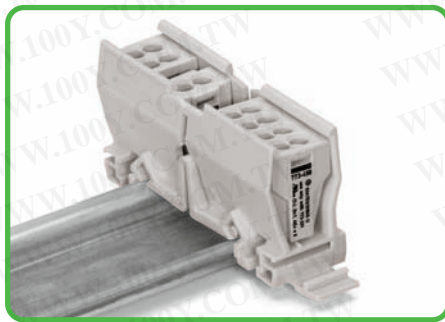
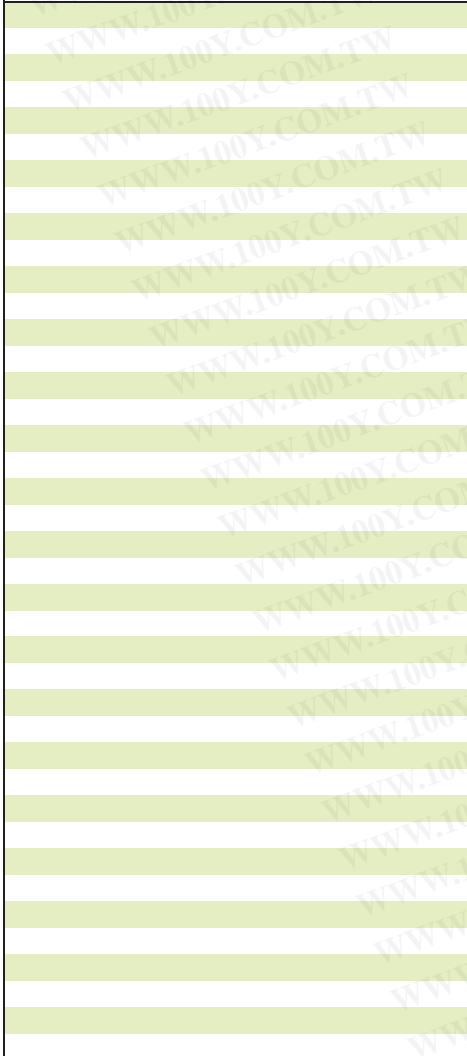
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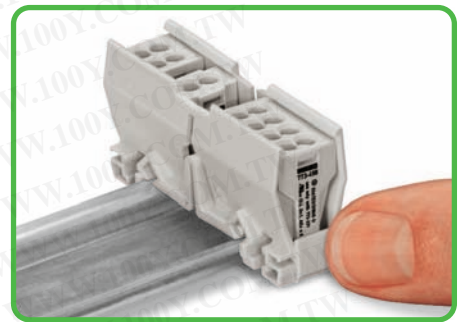
| Color            | Item No. | Pack. Unit |
|------------------|----------|------------|
| Mounting carrier |          |            |
| light gray Ex    | 773-331  | 50 (5x10)  |

**Item-Specific Accessories**

| Self-adhesive marking strips, plain, |   |   |
|--------------------------------------|---|---|
|                                      | Height of marking strip: 5 mm, 48 self-adhesive strips per card |   |
| white                                | 210-334   | 1 |



Insert the connectors into the carrier . . .



... and snap in the end plate.



Snapping onto the carrier rail.

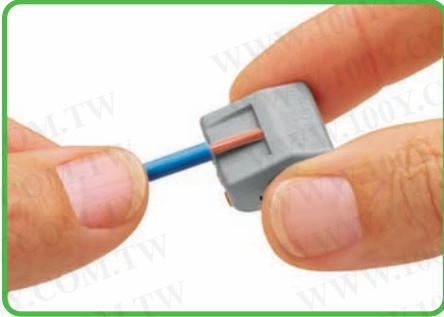


Removing from the carrier rail.

WAGO 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 fixed in position using appropriate mounting carriers
- One single carrier equipped with 2-, 4-, 6- and 8-conductor connectors holds up to 16 clamping units according to user requirements, offering material and cost-saving advantages.



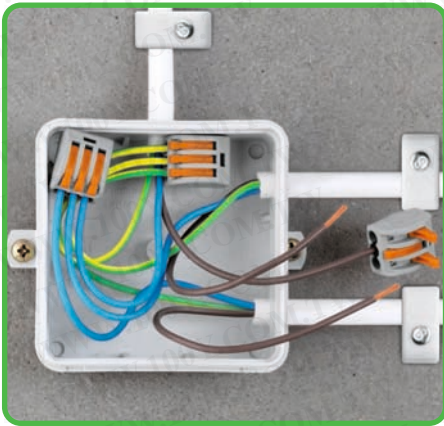
Strip conductor to 9 - 10 mm / 0.37 in.



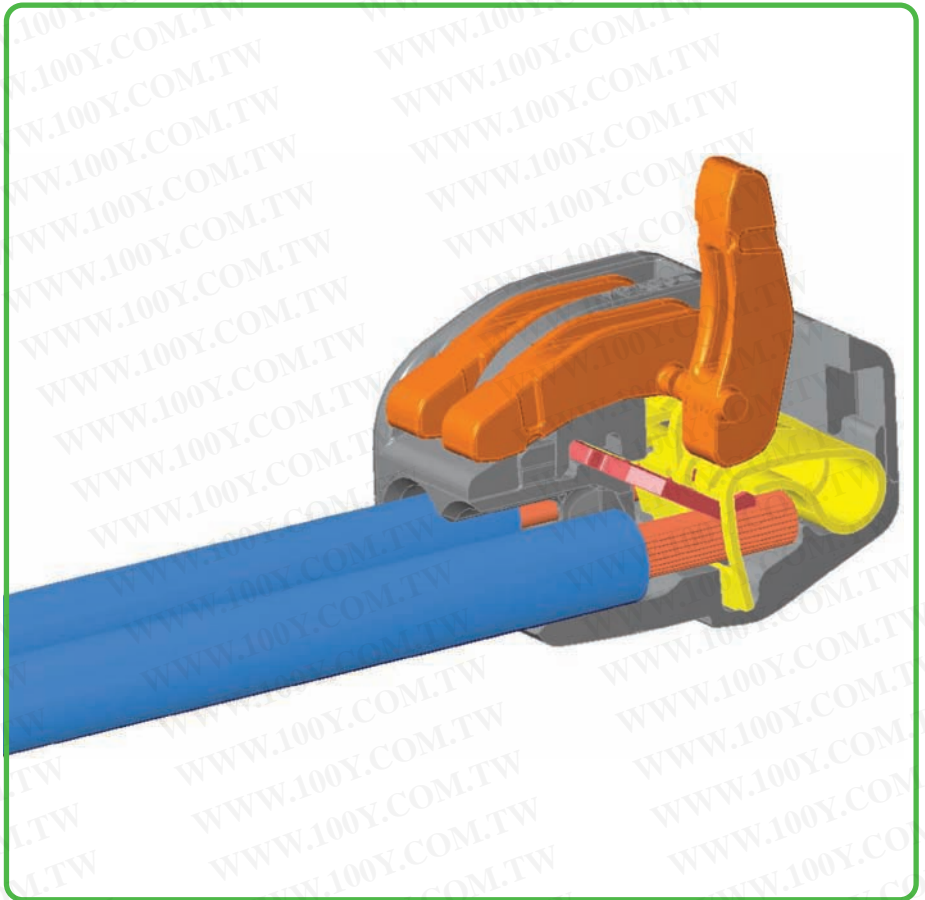
Conductor termination: Open clamping unit using the lever and insert conductor . . .



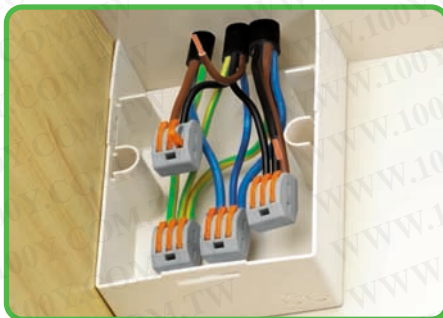
. . . then lower lever to close the clamp.



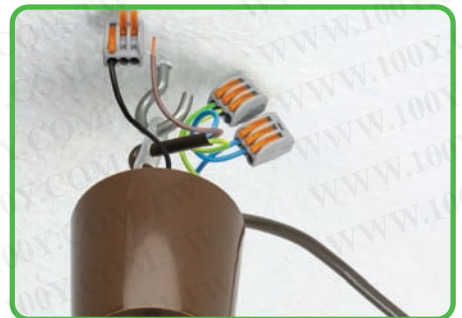
Wiring fine-stranded conductors in a junction box.



Individual design of low-voltage lighting systems.



Connecting pre-wired and pre-fabricated components; e.g., modular assemblies used in mobile homes.



Lighting fixture connected with flexible power feed.

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CAGE CLAMP®  
clamps the following  
copper conductors:\*

- solid
- stranded

fine-stranded,  
also with tinned  
single strand

fine-stranded,  
tip bonded

fine-stranded,  
with ferrule ①  
(gastight crimped)

fine-stranded,  
with pin terminal  
(gastight crimped)

\* For aluminum conductors, see notes in Section 14.

① When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

# Compact Splicing Connectors for Flexible Conductors 222 Series

CAGE CLAMP®

12

433

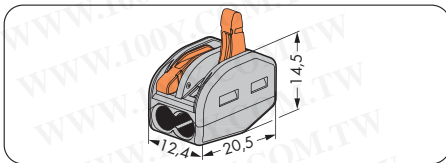
|   |  |   |  |
|---|--|---|--|
| 0.08-2.5mm <sup>2</sup> "s+f-st"<br>0.08-4 mm <sup>2</sup> "f-st"<br>400 V/4 kV/2 ①<br>I <sub>N</sub> 32 A<br>10 mm / 0.37 in ② | AWG28-14 "s+f-st"<br>AWG28-12 "f-st"<br>600 V, 20 A <sup>Ⓜ</sup> | 0.08-2.5mm <sup>2</sup> "s+f-st"<br>0.08-4 mm <sup>2</sup> "f-st"<br>400 V/4 kV/2 ①<br>I <sub>N</sub> 32 A<br>10 mm / 0.37 in ② | AWG28-14 "s+f-st"<br>AWG28-12 "f-st"<br>600 V, 20 A <sup>Ⓜ</sup> |
|---|--|---|--|

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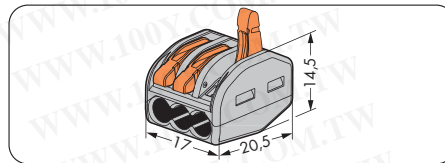


- ① in grounded power lines  
400 V = rated voltage  
4 kV = rated surge voltage  
2 = pollution degree  
(also see Section 14)
- ② Strip length, see packaging or instructions.

| Color   | Item No. | Pack. Unit | Color   | Item No. | Pack. Unit |
|---|----------|------------|---|----------|------------|
| Compact splicing connector,<br>2-conductor connector,<br>with levers,<br>max. continuous service temperature 85°C<br>gray |          |            | Compact splicing connector,<br>3-conductor connector,<br>with levers,<br>max. continuous service temperature 85°C<br>gray |          |            |
|   | 222-412  | 1000       |   | 222-413  | 500        |



Dimensions in mm



Dimensions in mm



### Compact splicing connectors

Tool-free connection of up to 5 stripped fine-stranded conductors from 0.08 to 4 mm<sup>2</sup>/AWG 28 - 12, solid or stranded conductors up to 2.5 mm<sup>2</sup>/AWG 14.

### This is how it works:

Open the clamping unit using the integrated orange lever actuator so that the lever engages and keeps the clamp in its opened position. The conductor can now be inserted, then the lever can be returned to its rest position, flush with the connector housing.

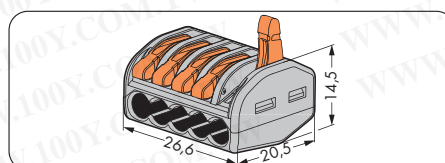
### The safety:

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 and 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.

| Color   | Item No. | Pack. Unit |
|---|----------|------------|
| Compact splicing connector,<br>5-conductor connector,<br>with levers,<br>max. continuous service temperature 85°C<br>gray |          |            |
|   | 222-415  | 400        |



Dimensions in mm

For list of approvals and user guide, see pages 540 and 542.

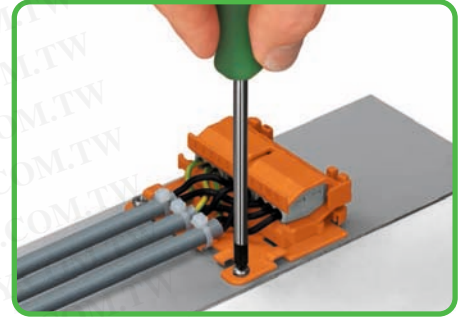
12



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



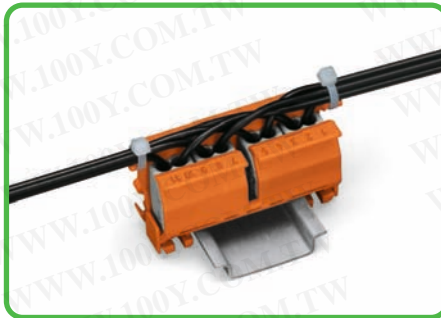
Horizontal mounting with strain relief plate on DIN 35 rail using angled DIN-rail adapter.



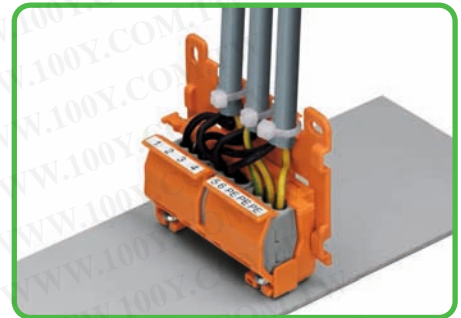
Horizontal mounting with strain relief plate on level surfaces.



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



Strain relief by cable tie on the carrier, transverse to the connector's wiring direction. Molded marking clamping units.



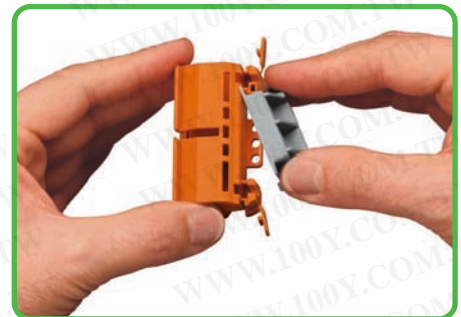
Mounting carrier with strain relief plate mounted vertically on a plate. Round cable fixed via strain relief lug.



Snapping of lateral connector safety lock.



Mounting of strain relief plate to the mounting carrier.



Snapping the angled DIN-rail adapter on the mounting carrier.



Testing connectors via test slots on top of the carrier.

