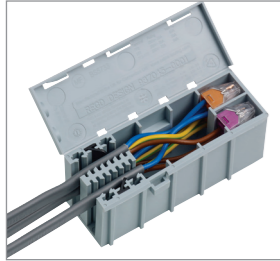


Also within the range

WAGOBOX®

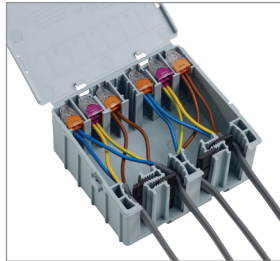
The original multi-purpose electrical enclosure for use with WAGO 222 & 773 series connectors.



- A multi-purpose enclosure
- Designed for use with WAGO 773 & 222 series connectors
- Compact quick grip cable clamps
- BS EN 60670-22
- For power and lighting applications
- BS 5733 (MF) applications
- Compact (108 x 39 x 44mm LxWxH)

WAGOBOX® XL/XLA

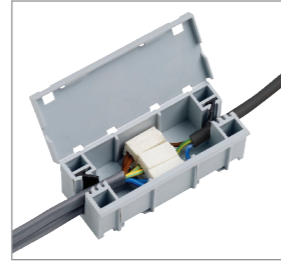
A large capacity general purpose electrical enclosure for 1 or 2 circuits.



- For WAGO 2273 & 221 connectors (XL version)
- Connect 6242Y, NYM-J & Flex cables
- Lighting & Power Circuits
- BS 5733 (MF) applications
- XLA Version for WAGO 773 & 222 Connectors
- BS EN 60670-22 certified
- Compact (115 x 126 x 55mm LxWxH)

WAGOBOX® Light

Electrical enclosure designed for lighting circuits.



- For WAGO 224, 260 & 294 connectors
- Connect twin & earth & flex cables
- Quick downlight connections
- No screws or fiddly clamps
- BS EN 60670-22 certified
- Compact (95 x 39 x 29mm LxWxH)

WAGOBOX® Capsule

IP68 Adaptable electrical enclosure for external cabling.



- For WAGO Push-wire & Lever connectors
- Connect Armoured, Hi Tuff & LV cables
- Ideal for Garden Lighting
- Available in Grey, Black & Clear
- BS EN 60529 IP68 certified
- Direct burial or surface and post mounting bracket options
- Compact: Lid diameter 92mm, height 122mm, body width 85mm

WAGO Connectors

221 Series Lever Connectors



221-412 / 2-con
0.2 - 4mm² "s"/"st"
0.14 - 4mm² "f-st"
450V/4kV/2¹ - 32A



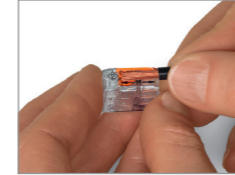
221-413 / 3-con
0.2 - 4mm² "s"/"st"
0.14 - 4mm² "f-st"
450V/4kV/2¹ - 32A



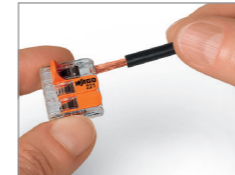
221-415 / 5-con
0.2 - 4mm² "s"/"st"
0.14 - 4mm² "f-st"
450V/4kV/2¹ - 32A

"s" solid "st" stranded "f-st" fine stranded
¹ In grounded (earthed) supply systems

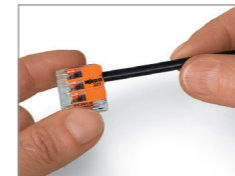
Operating



1. Strip the conductor 11mm.



2. Open clamping unit using the lever and insert the conductor.



3. Lower the lever to close the clamp to complete the connection. 4. To remove, lift the lever and pull out the conductor.

WAGO Limited

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WAGO is a registered trademark of WAGO Verwaltungsgesellschaft mbH.

WAGOBOX® 221-4 A Junction Box Innovation



Installation Instructions

For BS EN 60670-22 Accessory

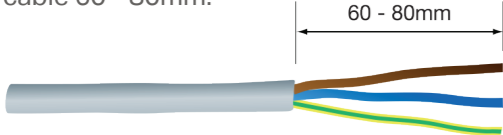
The WAGOBOX® 221-4 enclosure is designed for use with WAGO 221-4xx series connectors. The WAGOBOX® 221-4 is rated 400V/4KV and can support conductor sizes from 0.2mm² to 4mm². The maximum number of supported individual conductor connections is 20 at 0.2mm² and 20 at 4mm². Each cable clamp can grip cables with an overall diameter between 3mm and 8mm.

If you are in any way unsure about any of the following steps or how to connect the circuit, then consult a qualified electrician.

Simpler, Quicker, Safer...

The WAGOBOX® is easy to use and fast to fit. Just follow the steps below and see how using the WAGOBOX® 221-4 will revolutionise the way you work.

- Strip back the outer protective sheath of the cable 60 - 80mm.



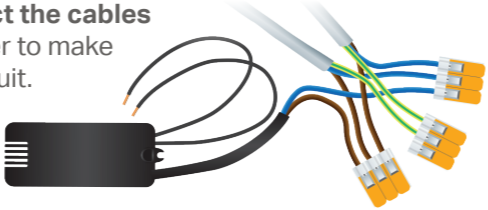
Note: Where a 221-415 is used as an earth connector it can be placed across the centre connector location above the mounting button feature. In this case, make the earth wires 10mm longer than the other wires.

- Select the appropriate number of WAGO 221-412, 221-413 and 221-415 connectors.

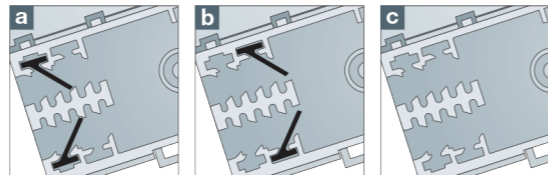
- 0.14-4mm² (solid/stranded)
- 0.2-4mm² (solid/stranded)



- Connect the cables together to make the circuit.



- Configure the cable clamp by inserting the provided black plastic grippers in correct position according to size of cable being used.



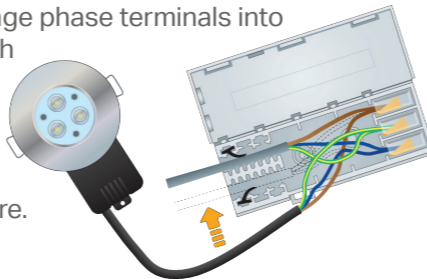
a Tight Position for small diameter cables such as 1mm² twin and earth and small flex.

b Offset Position for medium size cables such as 2.5mm², 4mm² twin and earth and flex.

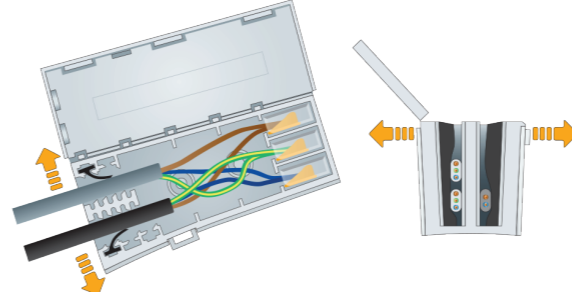
c No gripper. The grippers can be removed to clamp larger cables, such as round flex, that are approximately 8mm in diameter.

- Option 1: Arrange terminals into receptacles.

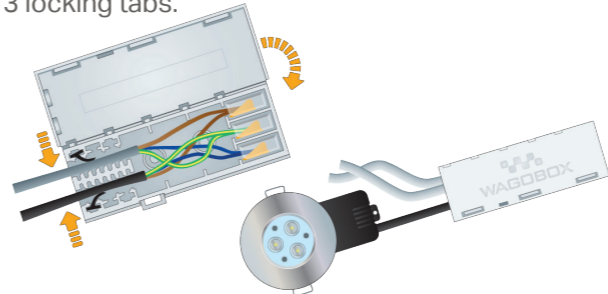
Option 2: Arrange phase terminals into receptacles with earth terminal folded back and horizontal above button mounting feature.



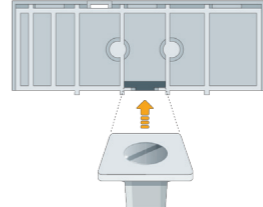
- Next, slide the cables into the gripper slots. The cables should be arranged such that there are cables in both slots and not just one slot. This helps to evenly distribute pressure along the cable clamp. The tops of the cable clamp are chamfered to help get the cables into the slots, although it may be necessary to ease the sides of the clamp apart to make cable entry easier.



- Try to keep cables of a similar size together in the same slot and simply push them into the slot as far as they will go. Once all the cables are installed, firmly squeeze the gripper end of the box together and snap shut the lid so that it is held securely by the 3 locking tabs.



- If required, the WAGOBOX® 221-4 can be fitted to a surface using the WAGOBOX® mounting button feature. (sold separately, part No. 51009130 pack of 10)



Installation Instructions

For BS 5733-MF

(Maintenance Free Accessory)

In situations where you need to install a WAGOBOX® 221-4 in an inaccessible location, the following instructions must be followed. This ensures the completed accessory complies with the requirements of BS 5733 for a maintenance free accessory. Only WAGO 221-412, 221-413 and 221-415 connectors are permitted for use with a WAGOBOX® 221-4 in maintenance free locations.

- Please note the terminal ratings in the table below are different to those published by WAGO. These terminal ratings must be used when selecting the appropriate terminals to assemble a BS 5733

Connectors	Max Current Rating	Max Cable mm ²	Max Aggregate Current (max lag)
221-4xx	20A	2.5	50A

maintenance free accessory. The Max Aggregate Current (I_{ag}) is the sum of all the possible currents through the WAGOBOX® 221-4 in normal use. This limit must not be exceeded. Usually the max lag equals the number of phase terminals in the WAGOBOX® 221-4 multiplied by the rating of the OPD* for the circuit. There are some exceptions to this rule, so if you are in anyway unsure how to calculate the maximum aggregate current please consult a qualified electrician. For further information on calculating the Max lag of a WAGOBOX® 221-4 configuration please visit: www.connexbox.com

- Follow WAGOBOX® 221-4 BS EN 60670-22 installation instructions ensuring all phase terminals are installed into the receptacles of the WAGOBOX® 221-4.

- Secure the WAGOBOX® lid using the tie-wrap locking point. Ensure the completed WAGOBOX® is not covered by insulating material. *Over current Protective Device

