

WAGOBOX

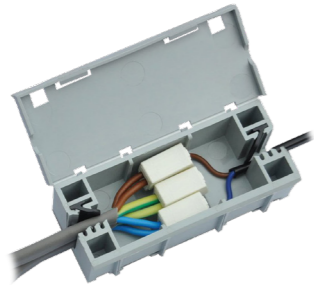
Part Numbers



- Grey 51008291 Single
- Grey 51008319 Pack of 10

WAGOBOX Light

For 224 Series



- Designed for use with the 224 Series.
- Compact multipurpose enclosure.
- Ideal for down lighter applications.
- BS EN 60670-22 compliant and 17th edition of BS 7671.

WAGOBOX

Junction Box

A multipurpose electrical junction enclosure that has been designed for use with 222 and 773 Series connectors. The WAGOBOX is easier to use, quicker to fit and more configurable than any other junction box of its size. It is the first of its type and redefines the standard for general purpose domestic and commercial junction boxes.

Fast

- Installing a WAGOBOX can take as little as 25% of the time it takes to install a screw terminal style junction box.
- Cables are cut to size and connected outside the WAGOBOX.
- No awkward connections in small spaces.

Easy to use

- No screws or fiddly clamp bars.
- Cables slot into position and are secured in seconds.
- Uses simple to fit 773 and 222 Series connectors.

Compact

- Dimensions: 39mm x 44mm x 108mm.
- Supports up to 6 cables.
- Fits through a 60mm diameter spotlight hole.

Configurable

- The integrated cable clamp can secure flex, 6242Y and 6243Y cables from 1 - 6mm² twin and earth.
- Robust cable grippers that can be configured in seconds to grip cables up to 8mm in diameter.
- Mix and match the 222 and 773 Series connectors to suit the job with up to 24 individual terminations.

Professional

- Complies with BS EN 60670-22.
- Configurable to BS 5733-MF.
- Meets all the requirements of the 17th Edition of BS 7671.

WAGO Connectors

773 Series PUSH WIRE®



773-102 / 2-con
0.75 - 2.5mm² "s"
1.5 - 2.5mm² "st"
400V/4kV/2 ⚡ - 24A



773-104 / 4-con
0.75 - 2.5mm² "s"
1.5 - 2.5mm² "st"
400V/4kV/2 ⚡ - 24A



773-106 / 6-con
0.75 - 2.5mm² "s"
1.5 - 2.5mm² "st"
400V/4kV/2 ⚡ - 24A



773-108 / 8-con
0.75 - 2.5mm² "s"
1.5 - 2.5mm² "st"
400V/4kV/2 ⚡ - 24A



773-173 / 3-con
2.5 - 6mm² "s" / "st"
400V/4kV/2 ⚡ - 41A

222 Series Lever Connector



222-412 / 2-con
0.08 - 2.5mm² "s"/"st"
0.08 - 4mm² "f-st"
400V/4kV/2 ⚡ - 32A



222-413 / 3-con
0.08 - 2.5mm² "s"/"st"
0.08 - 4mm² "f-st"
400V/4kV/2 ⚡ - 32A

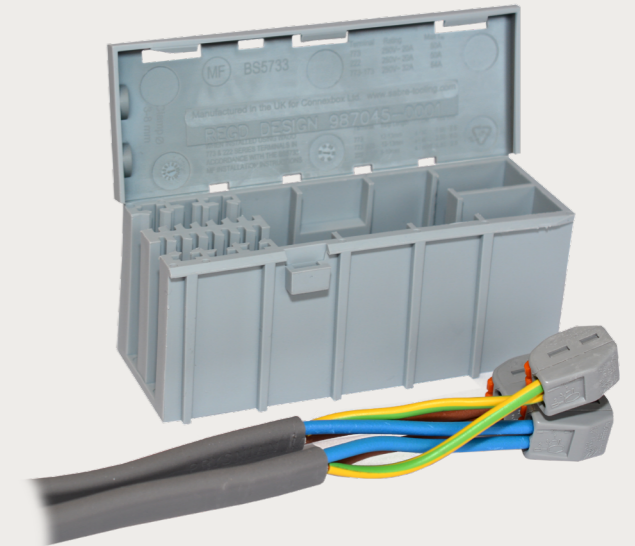


222-415 / 5-con
0.08 - 2.5mm² "s"/"st"
0.08 - 4mm² "f-st"
400V/4kV/2 ⚡ - 32A

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

WAGOBOX

A Junction Box Innovation



Installation Instructions

For BS EN 60670-22 Accessory

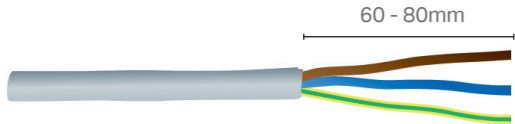
The WAGOBOX enclosure is designed for use with the 222 and 773 Series connectors. The WAGOBOX is rated up to 400V and can support conductor sizes from 0.08 - 6mm². The maximum number of supported individual conductor connections is 24 x 1mm² to 6 x 6mm². The cable clamp can grip cables with an overall diameter between 3 - 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.

Incredibly Simple...

The WAGOBOX is easy to use and fast to fit, just follow the steps below and see how the WAGOBOX will revolutionise the way you work.

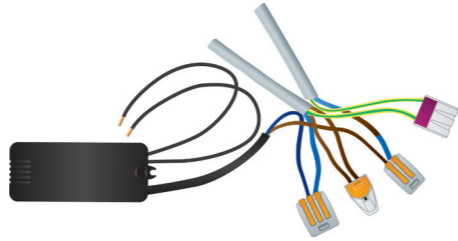
- Strip back the outer protective sheath of the cable 60 - 80mm.



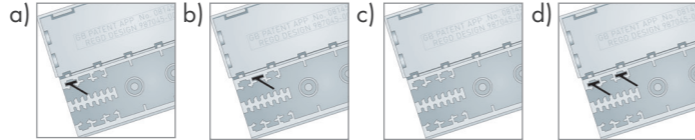
- Select the appropriate 773 or 222 Series connector for the circuit to be connected. Strip insulation to recommended length.

222 Series	773 Series
0.08 - 2.5mm ² solid	0.75 - 2.5mm ² solid
0.08 - 2.5mm ² stranded	1.5 - 2.5mm ² stranded
0.08 - 4mm ² fine-stranded	12mm strip length
9 - 10mm strip length	773-173
	2.5 - 6mm ² solid
	2.5 - 6mm ² stranded
	12 - 13mm strip length

- Connect the cables together to make the circuit.

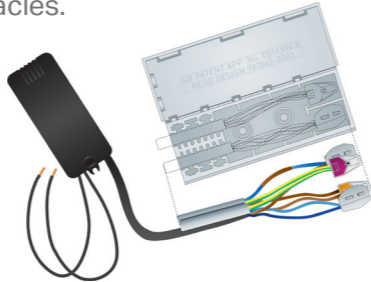


- Configure the cable clamp by putting the black plastic grippers in the correct position for the size of cable being used.

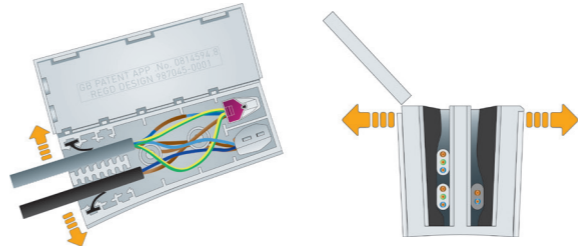


- Tight position for small cables such as 1 - 1.5mm² twin and earth.
- Offset position for medium size cables such as 2.5 - 4mm² twin and earth
- No gripper required for large cables such as 6mm² twin and earth
- Optional extra gripper position for extra grip on very small 2-core flex (additional grippers can be purchased, part No. 51008290 1 pcs).

- Arrange your terminals and slide them into the receptacles.

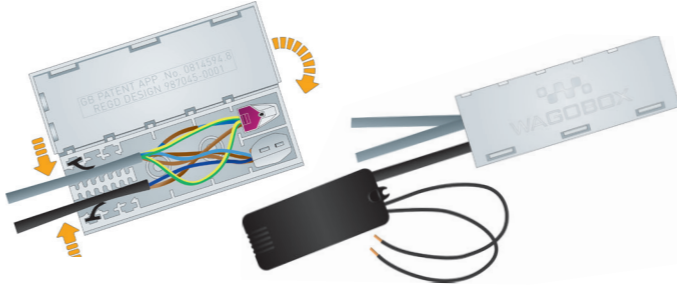


- When fitting the cables into the cable clamp the sides of the enclosure need to be eased apart to make an opening. It is normal for the entrance to be splayed apart with the cables in place.

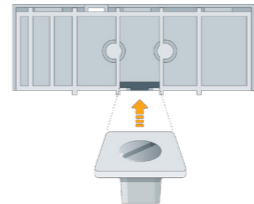


- Try to keep cables of a similar size together in the same slot and simply push them into the slot as far as they will go.

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 can be fitted to a surface using the mounting button. (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 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 the 773 and 222 Series connectors are permitted for use with a WAGOBOX in maintenance free locations.

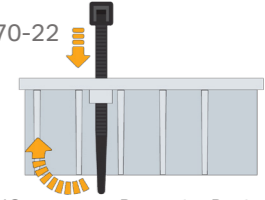
- Apply BS 5733 rating requirements. Only use the connectors in the table below, please note they have been de-rated to be suitable as a BS 5733 maintenance free accessory.

Connectors	Max Current Rating	Max Cable mm ²	Max Aggregate Current (max I _{ag})
773-102 773-104 773-106 773-108	20A	2.5	50A
222-412 222-413 222-415	20A	2.5	50A
773-173	32A	6	64A

The Max Aggregate Current (I_{ag}) is the sum of all the possible currents through the WAGOBOX in normal use. This limit must not be exceeded. Usually the max I_{ag} equals the number of phase connectors in the WAGOBOX multiplied by the rating of the OPD* for the circuit. There are some exceptions to this rule, so if you are in any way unsure how to calculate the maximum aggregate current please consult a qualified electrician. For further information on calculating the max I_{ag} of a WAGOBOX configuration please visit www.wagobox.com/support and look in the FAQ section for additional support documents.

- Follow the WAGOBOX BS EN 60670-22 installation instructions.

- Secure the WAGOBOX lid using the tie-wrap locking point. Ensure the completed WAGOBOX is not covered by insulating material.



*Over current Protective Device