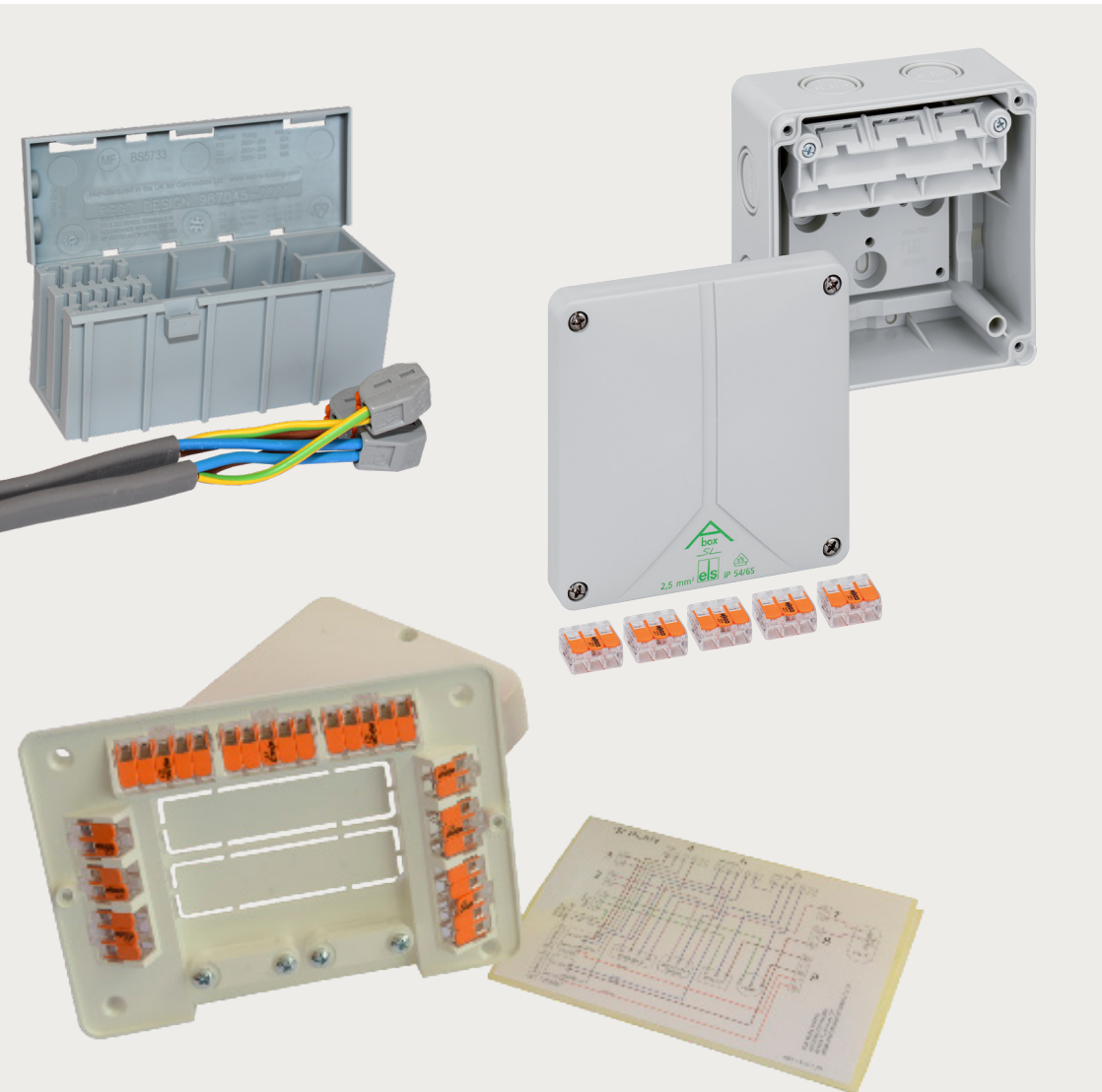




Junction Box Overview

Suitable for lighting, power, HVAC & other applications



WAGO Connectors

with CAGE CLAMP® & PUSH WIRE® connection

Series		Technical Data
221 Series 4mm ²		0.2 - 4mm ² "s" or "st" 0.14 - 4mm ² "f-st" 32A 450V/4kV/2 ^{1/2}
221 Series 6mm ²		0.5 - 6mm ² "s", "st" or "f-st" 41A 450V/4kV/2 ¹
2273 Series		0.5 - 2.5mm ² "s" only 24A 450V/4kV/2 ^{1/2}
222 Series		0.08 - 2.5mm ² "s" or "st" 0.08 - 4mm ² "f-st" 32A 400V/4kV/2 ^{1/2}
773 Series		0.75 - 2.5mm ² "s" 1.5 - 2.5mm ² "st" 24A 400V/4kV/2 ^{1/2}
773-173		2.5 - 6mm ² "s" or "st" 41A 400V/4kV/2 ^{1/2}
224 Series		Installation side:- 1 - 2.5mm ² "s" Lighting side:- 0.5 - 2.5mm ² "s" / "f-st" 24A 400V/4kV/2 ¹
224-101		0.5 - 2.5mm ² "s" / "f-st" 24A 400V/4kV/2 ¹

"s" solid "st" stranded "f-st" fine stranded

¹ In grounded (earthed) supply systems.

² Connectors are de-rated for MF applications, please refer to the MF instructions table.

WAGO Limited, Triton Park, Swift Valley Industrial Estate, Rugby, Warwickshire, CV21 1SG

Tel: 01788 568 008 - Fax: 01788 568 050 - info@wago.ltd.uk - www.wago.ltd.uk

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Jan 2019

WAGOBOX, XL & XLA Junction Boxes

Suitable for BS 5733-MF applications (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 certain WAGO connectors are permitted for use with WAGOBOX junction boxes in maintenance free locations, please see table below.

1. 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. 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.

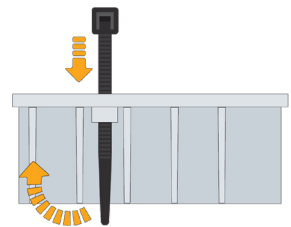
Suitable connectors and ratings

Connector Series	Max Current Rating	Max Cable Rating	Max Aggregate Current (max I_{ag})	Junction Box	Adapters Required
221 (4mm²)	20A	4	50A**	WAGOBOX, XL & XLA	WAGOBOX & XLA
2273	20A	2.5	50A**	WAGOBOX, XL & XLA	WAGOBOX & XLA
222	20A	2.5	50A**	WAGOBOX & XLA	N/A
773	20A	2.5	50A**	WAGOBOX & XLA	N/A
773-173	32A	6	64A**	WAGOBOX & XLA	N/A

** 50A per single side max aggregate current (I_{ag}) for XL & XLA.

For further information please visit www.wago.ltd.uk/enclosures/wagobox/ and view the data sheets.

2. Follow the WAGOBOX BS EN 60670-22 installation instructions. Please visit www.wago.ltd.uk to view data sheets.
3. Secure the WAGOBOX lid using the tie-wrap locking point. Ensure the completed WAGOBOX is not covered by insulating material.



*Over current Protective Device

WAGOBX Junction Box

for 222, 773, 221 & 2273 series connectors



Applications

- Lighting
- Power
- HVAC
- & other applications

WAGOBX

Technical Data

Dimensions: 108 x 39 x 44mm (LxWxH)

Cable sizes: 0.08 to 6mm²

Ingress Protection: IP2X

BS EN 60670-22 Compliant & BS 5733 MF

Description.	Item No.	Pack Qty.
● WAGOBX	51008291	1
● WAGOBX	51008319	10
● WAGOBX	51253135	10
○ WAGOBX	51253136	10
● WAGOBX	51253137	10
Accessories		
Mounting Button	51009130	10
221 Adapter	60348650	20
2273 Adapter	60348648	20

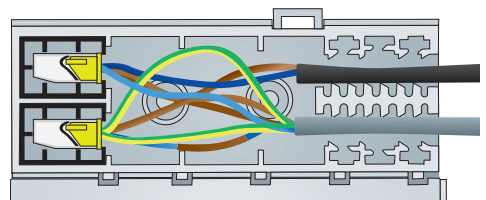
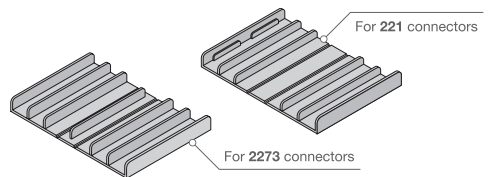
Accessories

WAGOBX Adapters

Part No. 60348650 (PU20) 221 series
Part No. 60348648 (PU20) 2273 series

The WAGOBX 2273 and 221 series adapters should be used when using WAGO 2273 and 221 series connectors with the WAGOBX or WAGOBX XLA to ensure compliance with BS EN 60670-22.

Visit www.wago.ltd.uk to view installation instructions for all the WAGOBX's.



Shown with 2273 adapters.

WAGOBX XLA Junction Box

for 222, 773, 221 & 2273 series connectors



WAGOBX XLA

Technical Data

Dimensions: 115 x 126 x 55mm (LxWxH)

Cable sizes: 0.08 to 6mm²

Ingress Protection: IP2X

**BS EN 60670-22 Compliant &
BS 5733 MF**

Description.	Item No.	Pack Qty.
● WAGOBX XLA	60358440	1

Accessories

Mounting Button	51009130	10
221 Adapter	60348650	20
2273 Adapter	60348648	20

Applications

- Lighting
- Power
- HVAC
- & other applications

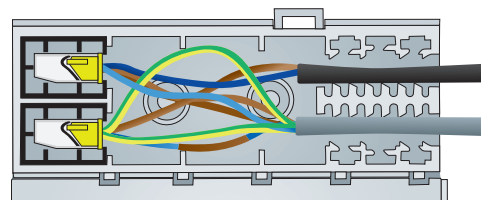
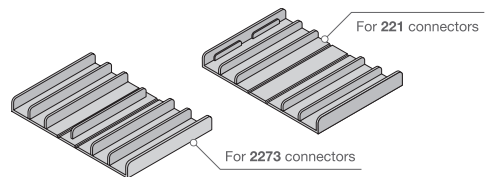
Accessories

WAGOBX Adapters

Part No. 60348650 (PU20) 221 series
Part No. 60348648 (PU20) 2273 series

The WAGOBX 2273 and 221 series adapters should be used when using WAGO 2273 and 221 series connectors with the WAGOBX or WAGOBX XLA to ensure compliance with BS EN 60670-22.

Visit www.wago.ltd.uk to view installation instructions for all the WAGOBX's.



Shown with 2273 adapters.

WAGOBOX XL Junction Box

for 221 & 2273 series connectors



WAGOBOX XL

Technical Data

Dimensions: 115 x 126 x 55mm (LxWxH)

Cable sizes: 0.14 to 4mm²

Ingress Protection: IP2X

**BS EN 60670-22 Compliant &
BS 5733 MF**

Description.	Item No.	Pack Qty.
<input checked="" type="radio"/> WAGOBOX XL	60339091	1

Accessories

Mounting Button	51009130	10
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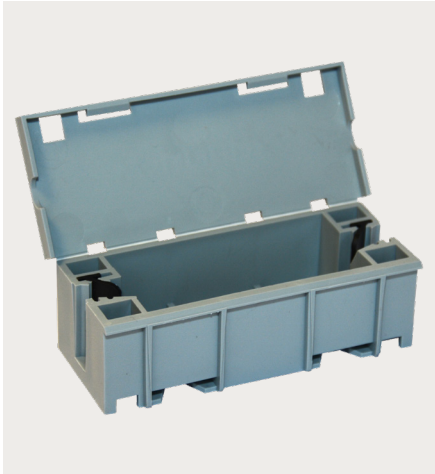
Applications

- Lighting
- Power
- HVAC
- & other applications

Visit www.wago.ltd.uk to view installation instructions for all the WAGOBOX's.

WAGOBX Light Junction Box

for 224, 260 & 294 series connectors



WAGOBX Light

Technical Data

Dimensions: 95 x 39 x 29mm (LxWxH)

Cable sizes: 0.08 to 2.5mm²

Ingress Protection: IP2X

BS EN 60670-22 Compliant

Description.	Item No.	Pack Qty.
● WAGOBX Light	51303208	1
● WAGOBX Light	51257303	10

Accessories

Mounting Button	51009130	10
Thumb Tool	51302076	1

260 Series for WAGOBX Light

Technical Data

0.08 - 1.5mm²⊕

400 V/6 kV/3

18 A

 **8 - 9 mm**

Description.	Item No.	Pack Qty.
Orange, green-yellow, blue		
3-pole (L/⊕/N)	51302077	1
4-pole (L1/⊕/L2/N)	51302078	1

⊕ When using ferruled conductors, it is necessary to use a terminal block one size larger than the nominal cross section of the wire.

For information on the 294 series please visit www.wago.ltd.uk or contact us on:

T: 01788 568 008

E: ukmarketing@wago.com

Applications

- Lighting
- Power
- HVAC
- & other applications

Visit www.wago.ltd.uk to view installation instructions for all the WAGOBX's.

WAGOBOX Capsule Junction Box

for WAGO installer connectors

IP68



WAGOBOX Capsule

Technical Data

Dimensions: Lid diameter 92mm, height 122mm, body width 85mm

Gland sizes: M16, M20

Cable sizes: 0.08 to 6mm²

Ingress Protection: IP68

BS EN 60529





Applications

- Lighting
- Power
- HVAC
- & other applications

IP Rated Glands

The WAGOBOX Capsule has been designed to be used with a range of different IP rated cable glands. The selection of the glands will depend on the degree of ingress protection required and the types of cable being connected. **Please note glands are not sold by WAGO.**

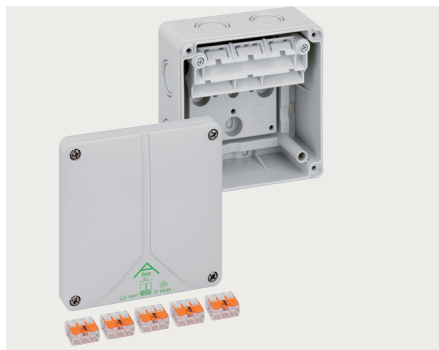
Description.	Item No.	Pack Qty.
○ WAGOBOX Capsule	51312608	1
● WAGOBOX Capsule	51312606	1
● WAGOBOX Capsule	51312607	1
Accessories for WAGOBOX Capsule		
● Capsule bracket	51312590	1
● Capsule bracket	51312594	1
Capsule lid plate	51312602	1
Capsule side plate	51312603	1
Thumb Tool	51302076	1

	Compression Gland for non-armoured cables IP54 Ingress Protection: 5 = Dust protected 4 = Splashing of water
	Compression Gland for non-armoured cables IP68 Ingress Protection: 6 = No Ingress of dust 8 = Immersion in water
	Gland for armoured cables IP66 Ingress Protection (with sealing washer): 6 = No Ingress of dust 6 = Jets of water
	Encapsulated Compression Gland for armoured cables IP68 Ingress Protection: 6 = No Ingress of dust 8 = Immersion in water. Gland protected by corrosion guard so suitable for direct burial into soil.

Visit www.wago.ltd.uk to view installation instructions for all the WAGOBOX's.

Abox 060 enclosure

with 221 series compact lever connectors



Abox 060 enclosure - 221 series

Technical Data

Dimensions: 110 x 110 x 67mm (WxLxH)

Cable sizes: 0.14 to 4mm²

Ingress Protection: IP2X

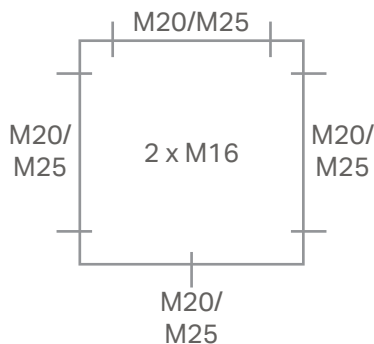
Rating: 32A / 450V

EN 60670 Compliant

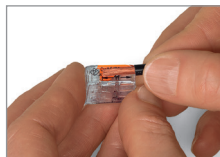
Includes

- IP65 Abox with cable entry holes (right diagram)
- Mounting bracket for the 221 Series connectors
- IP54 adapters / M25 blanking plug / fixing covers
- 5 x 221-413

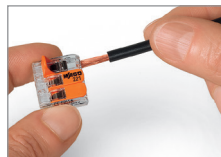
Description.	Item No.	Pack Qty.
● Polystyrene	60290788	1



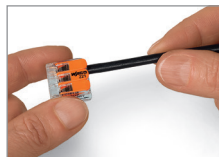
Operating



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.



Easy testing, test point on the back and front of the housing.

Abox 060 enclosure with 222 series lever connectors



Abox 060 enclosure - 222 series

Technical Data

Dimensions: 110 x 110 x 67mm (WxLxH)

Cable sizes: 0.08 to 4mm²

Ingress Protection: IP2X

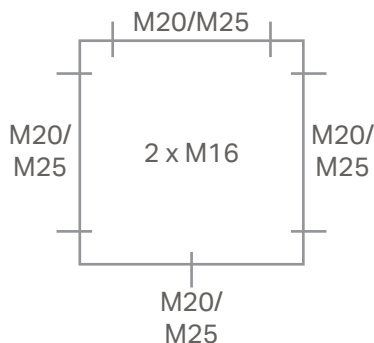
Rating: 32A / 400V

EN 60670 Compliant

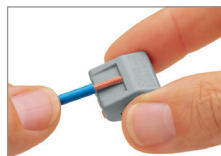
Includes

- IP65 Abox with cable entry holes (right diagram)
- Mounting bracket for the 222 Series connectors
- IP54 adapters / M25 blanking plug / fixing covers
- 5 x 222-413

Description.	Item No.	Pack Qty.
● Polystyrene	51004455	1
● Polycarbonate	51004456	1



Operating



1. Strip the conductor
9 - 10mm.



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.



Easy testing, test
point on the top
of the housing.

Abox 100 enclosure

with TOPJOB® S Push-in terminal blocks



Abox 100 enclosure - TOPJOB® S

Technical Data

Dimensions: 140 x 140 x 79mm (WxLxH)

Cable sizes: 0.5 to 6mm²

Ingress Protection: IP2X

Rating: 41A / 800V

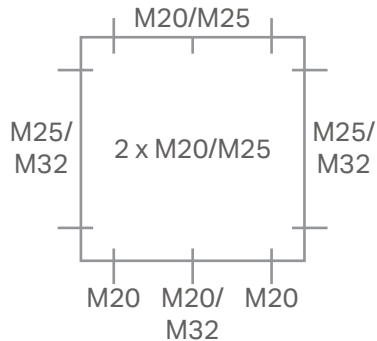
EN 60670 Compliant

Includes

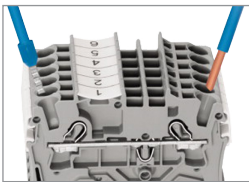
- IP65 Abox with cable entry holes (right diagram)
- Mounting bracket for the TOPJOB® S terminals
- IP54 adapters / M32 blanking plug / fixing covers
- 10 x 2006-1201 terminals, 1 x end plate & 2 x end stops (mounted on T35 Din Rail)

Description.	Item No.	Pack Qty.
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● Polystyrene	51004457	1
● Polycarbonate	51004458	1



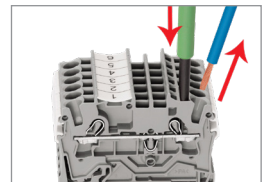
Operating



Push in termination
Striped solid conductors, fine-stranded conductors with ferrules, or ultrasonically "bonded" conductors are simply pushed in until they hit the backstop. No tool required.

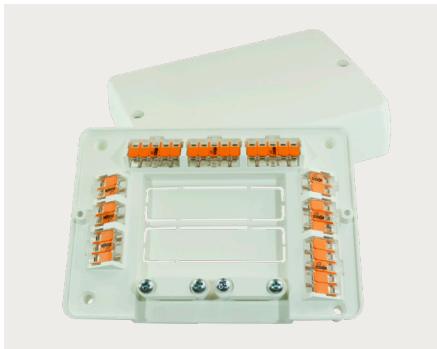


Termination using a screwdriver
Connecting fine-stranded conductors without ferrules, or smaller cross-sectional conductors that cannot be pushed in, is performed the same way as the original CAGE CLAMP® - using an operating tool.



Conductor removal:
Insert an operating tool in to the operating slot to remove the conductor, just like the original CAGE CLAMP® terminal blocks.

The mBox L32 wiring centre with 221 series compact lever connectors



mBox L32 wiring centre

Technical Data

Dimensions: 159 x 35 x 114mm (WxLxH)

Cable sizes: 0.14 to 4mm²

Ingress Protection: IP2X

Rating: 32A / 450V

EN 60670 Compliant

Description.	Item No.	Pack Qty.
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● mBox L32	60362958	1
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Includes

- 3 x 221-412
- 2 x 221-413
- 4 x 221-415
- Y & S plan wiring diagram
+ blank for custom

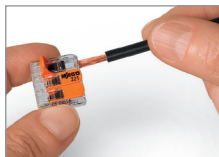
Applications

- Heating systems
- Data centres
- Alarm Systems
- Lighting

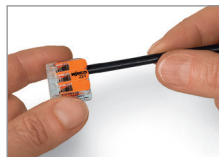
Operating



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.



Easy testing, test point
on the back and front of
the housing.

