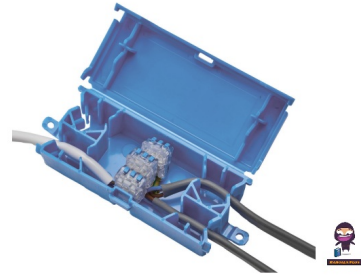




**30-1032  
In Sure  
Box  
Enclosure**



## IDEAL 30-1032 In Sure Box Enclosure Instruction Manual

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**IDEAL 30-1032 In Sure Box Enclosure**



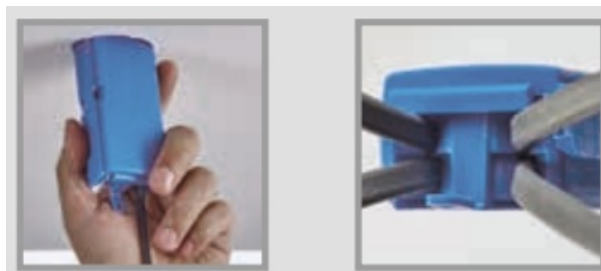
### **Specifications:**

- Max Aggregate Current (max lag): 32
- Max Current / Voltage ~ Rating: 16A 250V
- Wire Connector Description: Maintenance Free Accessory

### **Product Usage Instructions:**

#### **INSTALLATION INSTRUCTIONS**

**(BS EN 60670-22 & BS 5733-MF)**



### **Compatible Wire Connectors:**

The wire connectors provided are compatible with various cable types and wire combination ranges as listed below:

Connector Model No.	Description	Wire Combination Range	Strip Length
32	Flat Twin & Earth	13mm	N/A
33	3 Core Flat & Earth	13mm	N/A
34	General Purpose Flexible Cable	13mm (Rigid stranded wire is 7 strands)	N/A
L2	2 Port Gen II Lever	9-10mm	13mm
L3	3 Port Gen II Lever	9-10mm	13mm
L5	5 Port Gen II Lever	9-10mm	13mm
42	2 Core Flat Flexible Cable	9-10mm	N/A

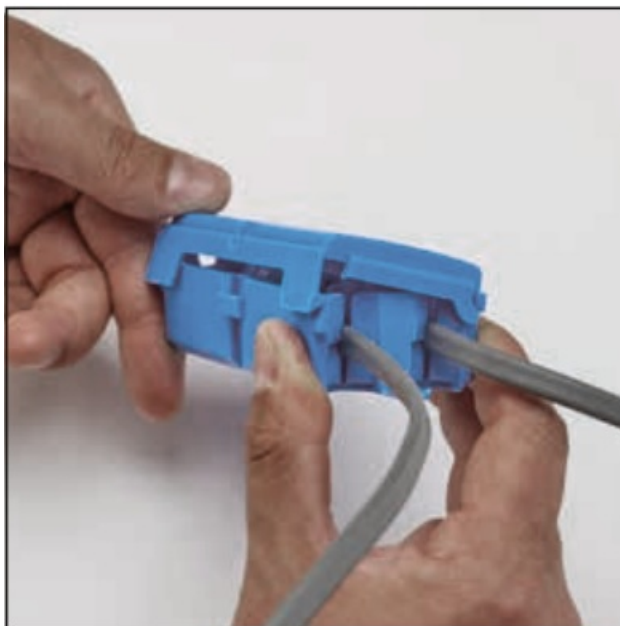
### Step-by-Step Guide for Installation:

1. Decide on either single end entry or in-line wiring configuration.
2. Strip back the outer protective sheathing of the cable.
3. Connect the cables together to make the circuit.
4. The outer sheathing of cable must be secured by the inner and outer grips.
5. If installing 2 cables of the same type through 1 cable entry point, ensure the cables are the same type.

When the In-Sure® Box is installed in an inaccessible location, the additional instructions below apply. This ensures the completed installation complies with BS 5733 for a maintenance free accessory.

**Step 1:** Apply BS 5733 rating requirements. Only use the connectors referred to in table 3. Connectors have been de-rated to be suitable as a BS 5733 maintenance free accessory. The Max Aggregate Current (I<sub>ag</sub>) is the sum of all the possible currents through the In-Sure® Box in normal use. This limit must not be exceeded.

- Usually the max I<sub>ag</sub> equals the number of phase connectors in the In-Sure® Box multiplied by the rating of the OPD (Over Current Protective Device) for the circuit.



**Step 2:** Follow the In-Sure® Box BS EN 60670-22 installation instructions. Additionally secure the lid on the In-

Sure® Box with a cable tie passed through the loop. If you have any doubts consult a professional electrician or other qualified installer.



Table 3.

Connector	Wire Connector	Max Current /	Max Cable mm <sup>2</sup>	Max Aggregate
32	2 Port In-Sure® Push-In	16A 250V	2.5mm <sup>2</sup>	48A
33	3 Port In-Sure® Push-In	16A 250V	2.5mm <sup>2</sup>	24A
34	4 Port In-Sure® Push-In			
L2	2 Port Gen II Lever	16A 250V	2.5mm <sup>2</sup>	48A
L3	3 Port Gen II Lever	16A 250V	2.5mm <sup>2</sup>	24A
L5	5 Port Gen II Lever			
42	SpliceLine® in-line	16A 250V	2.5mm <sup>2</sup>	24A

Model	Description	Quantity	Cat. No.
32	2 Port In-Sure® Push-In	Box of 100	30-1032
33	3 Port In-Sure® Push-In	Box of 100	30-1033
34	4 Port In-Sure® Push-In	Box of 100	30-1034
L2	2 Port Gen II Lever	Box of 40	30-0092
L3	3 Port Gen II Lever	Box of 40	30-0093
L5	5 Port Gen II Lever	Box of 30	30-0095
L2 L3 L5	2 Port, 3 port and 5 port Gen II Lever	Combo pack: 10 x 2-port 10 x 3-port 10 x 5-port	30-0099
42	SpliceLine® in-line	Pack of 10	30-1342S
42	SpliceLine® in-line	Box of 100	30-1042
—	In-Sure® Box	Each	30-4000

#### FOR ADDITIONAL INFORMATION ON OUR WIRE CONNECTOR

- RANGE PLEASE VISIT: [idealind.com](https://www.idealind.com)
- IDEAL INDUSTRIES EMEA Unit 3, Europa Court, Europa Boulevard, Westbrook, Warrington, WA5 7TN, UK
- Tel: +44 (0)1925 444 446 | Fax: +44 (0)1925 445 501 [eur.sales@idealindustries.com](mailto:eur.sales@idealindustries.com)
- Products and specifications subject to change. E&OE
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#### COMPATIBLE WIRE CONNECTORS

The IDEAL In-Sure® Box enclosure can only be used with In-Sure® Push-In, Gen II Lever and SpliceLine® connectors as indicated below.

Connector	Description	Wire Combination Range	Strip length
32	2 Port In-Sure® Push-In	Solid Wires 0.75mm <sup>2</sup> - 2.5mm <sup>2</sup>  Rigid Stranded Wires 1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>  (Rigid stranded wire is ≤ 7 strands)	13mm
33	3 Port In-Sure® Push-In		13mm
34	4 Port In-Sure® Push-In		13mm
L2	2 Port Gen II Lever	Solid, Rigid Stranded: 0.2mm <sup>2</sup> - 4.0mm <sup>2</sup> Flexible: 0.14mm <sup>2</sup> - 4.0mm <sup>2</sup>	9-10mm
L3	3 Port Gen II Lever		9-10mm
L5	5 Port Gen II Lever		9-10mm
42	SpliceLine® in-line	Solid: 0.5mm <sup>2</sup>  – 4.0mm <sup>2</sup> Stranded*: 1.0mm <sup>2</sup> – 2.5mm <sup>2</sup>	13mm

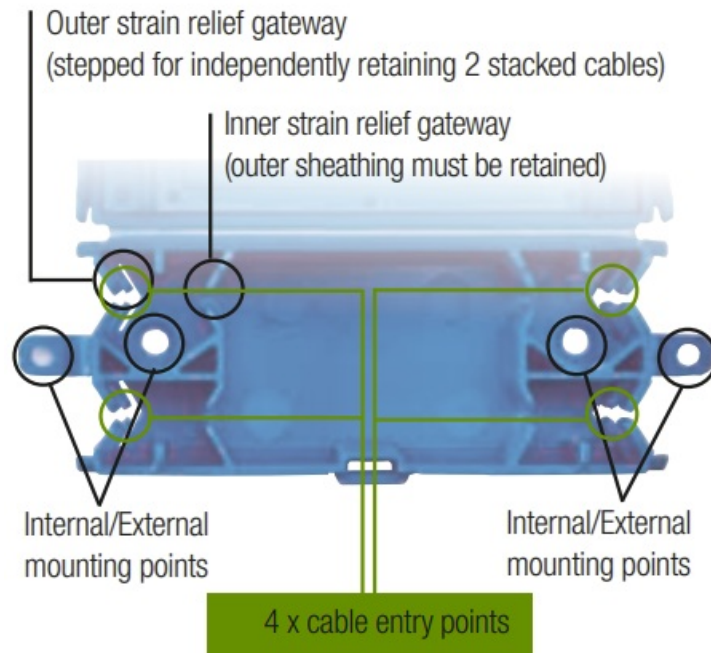
- Stranded wire is limited to ≤ 7

## COMPATIBLE CABLE TYPES

- The In-Sure® Box is designed to accept most common flat and round cables with an overall diameter of between 3 to 8mm – see below for the range of cables supported by the In-Sure® Box and the maximum cables per size.

Cable Type/Size	Flat Twin & Earth	3 Core Flat & Earth	General Purpose Flexible Cable	2 Core Flat Flexible Cable
2.5mm <sup>2</sup>	2	N/A	N/A	N/A
1.5mm <sup>2</sup>	6	4	2	N/A
1.0mm <sup>2</sup>	8	6	4	N/A
0.75mm <sup>2</sup>	N/A	N/A	4	8
0.5mm <sup>2</sup>	N/A	N/A	6	8

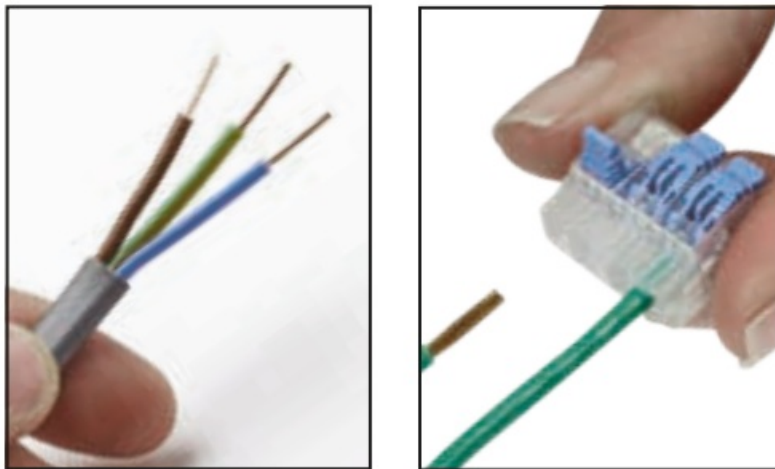
- The In-Sure® Box can accept up to 6 individual connectors and has 4 cable entry points.



## STEP BY STEP GUIDE

The In-Sure® Box enclosure has no loose parts and is simple and easy to use. Simply follow the steps below to provide a secure installation in an accessible location as per BS EN 60670-22:

**Step 1:** Decide on either single end entry or in-line wiring configuration.



**Step 2:** Strip back the outer protective sheathing of the cable.

**Step 3:** Connect the cables together to make the circuit.



- **Step 4:** Place the termination into the In-Sure® Box firmly pressing the cables into the cable grips.
- **Step 5:** The outer sheathing of cable must be secured by the inner and outer grips.



- **Step 6:** If installing 2 cables of the same type through 1 cable entry point, the cables should be the same type.
- **Step 7:** Squeeze the In-Sure® Box together and snap shut the lid.
- **Step 8:** The In-Sure® Box has the ability to be mounted to any suitable surface using counter sunk no. 6 screw (3.5mm thread) either by using 2 external mounting points or if preferred, the 2 internal mounting points.
- **Step 9:** DO NOT cover the In-Sure® Box with insulating material.





## FAQS

**Q: Where can I find more information on the wire connector range?**

A: For additional information on our wire connector range, please visit [idealind.com](http://idealind.com) or contact Ideal Industries EMEA at the provided address and contact details.

**Q: What is the contact information for Ideal Industries EMEA?**

A: Ideal Industries EMEA can be reached at Unit 3, Europa Court, Europa Boulevard, Westbrook, Warrington, WA5 7TN, UK. Tel: +44 (0)1925 444 446 | Fax: +44 (0)1925 445 501, or via email at [eur.sales@idealindustries.com](mailto:eur.sales@idealindustries.com).

**Q: Is the wire connector maintenance-free?**

A: Yes, the wire connector is a maintenance-free accessory designed for safe and fast installation.

**Q: What is the maximum current and voltage rating of the wire connectors?**

A: The wire connectors have a maximum current/voltage rating of 16A at 250V.

## Documents / Resources



**IDEAL 30-1032 In Sure Box Enclosure** [pdf] Instruction Manual

30-1032, 30-1033, 30-1034, 30-0092, 30-0093, 30-0095, 30-0099, 30-1342S, 30-1042, 30-1032 In Sure Box Enclosure, 30-1032, In Sure Box Enclosure, Sure Box Enclosure, Box Enclosure

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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