

MAINTENANCE FREE ACCESSORY

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_{ag}) 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_{ag} 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 Model No.	Wire Connector Description	Max Current / Voltage ~ Rating	Max Cable mm ²	Max Aggregate Current (max I _{ag})
32	2 Port In-Sure® Push-In	16A 250V	2.5mm ²	48A
33	3 Port In-Sure® Push-In	16A 250V	2.5mm ²	24A
34	4 Port In-Sure® Push-In	16A 250V	2.5mm ²	24A
52	2 Port In-Sure® Lever	16A 250V	2.5mm ²	48A
53	3 Port In-Sure® Lever	16A 250V	2.5mm ²	24A
55	5 Port In-Sure® Lever	16A 250V	2.5mm ²	24A
42	SpliceLine® in-line	16A 250V	2.5mm ²	24A

Ordering Information

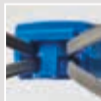
Model	Description Of Connector	Quantity	Cat. No.
32	2 Port In-Sure® Push-In	Box of 100	30-1032
33	3 Port In-Sure® Push-In	Box of 100	30-1033
34	4 Port In-Sure® Push-In	Box of 100	30-1034
52	2 Port In-Sure® Lever	Box of 40	30-1052
53	3 Port In-Sure® Lever	Box of 40	30-1053
55	5 Port In-Sure® Lever	Box of 30	30-1055
59	2 Port, 3 port and 5 port In-Sure® Lever	Combo pack: 10 x 2-port 10 x 3-port 10 x 5-port	30-1059
42	SpliceLine® in-line	Pack of 10	30-1342S
42	SpliceLine® in-line	Box of 100	30-1042
-	In-Sure® Box	Each	30-4000



IN-SURE® BOX

INSTALLATION INSTRUCTIONS

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



FOR ADDITIONAL INFORMATION ON OUR WIRE CONNECTOR RANGE PLEASE VISIT:
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SAFE, FAST & MAINTENANCE FREE



COMPATIBLE WIRE CONNECTORS

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

Connector Model No.	Description	Wire Combination Range	Strip length
32	2 Port In-Sure® Push-In	Solid Wires 0.75mm ² -2.5mm ²	13mm
33	3 Port In-Sure® Push-In	Rigid Stranded Wires 1.5mm ² -2.5mm ²	13mm
34	4 Port In-Sure® Push-In	(Rigid stranded wire is ≤ 7 strands)	13mm
52	2 Port In-Sure® Lever	Solid, Rigid Stranded and Flexible Wires 0.2mm ² -2.5mm ²	9-10mm
53	3 Port In-Sure® Lever		9-10mm
55	5 Port In-Sure® Lever		9-10mm
42	SpliceLine® in-line	Solid: 0.5mm ² - 4.0mm ² Stranded*: 1.0mm ² - 2.5mm ²	13mm

* Stranded wire is limited to ≤ 7

When installed in an accessible location, the In-Sure® Box is rated at 450V~48A as per BS EN 60670-22.

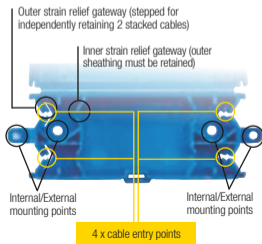
The connectors are rated at 24A.

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 ²	2	N/A	N/A	N/A
1.5mm ²	6	4	2	N/A
1.0mm ²	8	6	4	N/A
0.75mm ²	N/A	N/A	4	8
0.5mm ²	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.