

Marine Approved Short-Circuit Isolator Base

YBO-R/SCIM



Features

- ▶ Detects short circuits on loop
- ▶ Status LED
- ▶ Connection of up to 127 per loop
- ▶ Allows connection of Sensors from the ESP Marine Approved Range
- ▶ Bayonet slot, low insertion force for detectors
- ▶ Quick connection via square cable clamps
- ▶ Approved by LPCB, LR & GL

Description

Model YBO-R/SCIM is a Loop Isolator, which is fully compatible with Hochiki's ESP Marine Approved analogue addressable protocol.

The YBO-R/SCIM Base is compatible with any of the ESP Marine Approved Sensors, and can be used instead of a standard base, this reduces the cost of the Short Circuit Isolators and improves the functionality. The Base incorporates an amber LED to show when it is isolating a section of the loop, and if used under every analogue Sensor on the loop, none would be lost if a single short circuit was to occur.

The YBO-R/SCIM does not use an address making it very simple to install. The YBO-R/SCIM can also be used without a Sensor; a cover can be fitted to conceal the wiring connections (see below).

Specification

Ordering Codes	YBO-R/SCIM S/I-CAP (Base Cover)
Operating Voltage	17 - 41Vd.c.
Quiescent Current (typ)	50 μ A
Current In Short Circuit	<10mA
Maximum Short Circuit Current	1A
Operating Temperature Range	-10°C to + 50°C
Storage Temperature Range	-30°C to + 60°C
Maximum Humidity	95%RH - Non Condensing (at 40°C)
Colour / Case Material	(Base) Ivory, White or Red / ABS (DIN Rail Version) Green / ABS
Maximum Number of Isolators per Loop	127
Weight (g) / Dimensions (mm)	(Base) 85 / 100 (diameter) / H13 (DIN Rail Version) 122 / L119 x W24 x H108
Fixing Centres (mm)	48 ~ 74
Approvals	LPCB, LR & GL