



YBN-R/3(SCI)/SIL

Short-Circuit Isolator Base

Features

- ▶ SIL Level 2 approved
- ▶ Ideal for use in oil and gas environments
- ▶ Features integral SCI
- ▶ Easy to fit
- ▶ Slim profile
- ▶ Matches standard base colours



Description

Model YBN-R/3(SCI)/SIL is a sensor mounting base featuring an integral short-circuit isolator which will detect and isolate short-circuits on the loop. When a short-circuit is detected during power up the unit will drop the power to the rest of the loop.

The YBN-R/3(SCI)/SIL is compatible with the ESP range of sensors and does not require a loop address. A remote fire LED facility is provided when a sensor is attached to the base.

NOTE: A fitted sensor will still be powered when this device is isolating.

Specification

Operating Voltage	17 - 41 VDC (24 VDC nominal)
Standby current	60 μ A
Current drawn by isolator during fault condition	< 4 mA
Maximum current consumption from remote LED	10 mA (limited by attached sensor)
Maximum continuous current	1 A
Maximum quantity per loop	127*1
Ambient temperature range	-10 °C to +50 °C
Relative humidity	10% to 95% RH (at 40°C)
Colour and case material	Ivory ABS
Fixing centres	48 mm through to 74 mm
Maximum wire thickness	2.5 mm ² /terminal
Dimensions (mm)	100 (diameter) x 13.7 (height)
Weight (g)	79

*1 Check with Fire alarm control panel manufacturer for maximum loop quantities

See AP0127 for short-circuit isolator specifications

Ordering Codes

Product

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Part Number

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