

Short-Circuit Isolator Base

YBN-R/3(SCI)



Features

- ▶ Features integral SCI
- ▶ Easy to fit
- ▶ Slim profile
- ▶ Matches standard base colours
- ▶ SIL Level 2 approved variants available

Description

Model YBN-R/3(SCI) 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) 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

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| Ordering codes | YBN-R/3(SCI) (ivory) YBN-R/3(WHT)-SCI (white) |
| Protocol | ESP |
| Operating Voltage | 17 - 41 V dc (24 V dc 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 or White 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