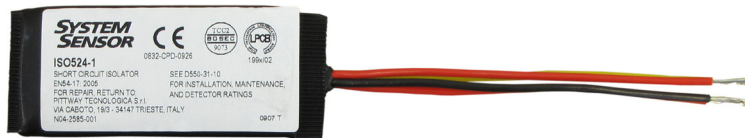




AA Short Circuit Isolator Unit

Overview

The **ISO524-1 Short-Circuit Isolator** is designed for use in an analogue addressable loop circuit. The isolator prevents an entire communications loop from being disabled when a short-circuit occurs. It achieves this by isolating the loop segment containing the short from the remainder of the circuit. The isolator automatically restores the loop when the cause of the short-circuit is removed.



AA Short-Circuit Isolator Unit (ISO524-1)

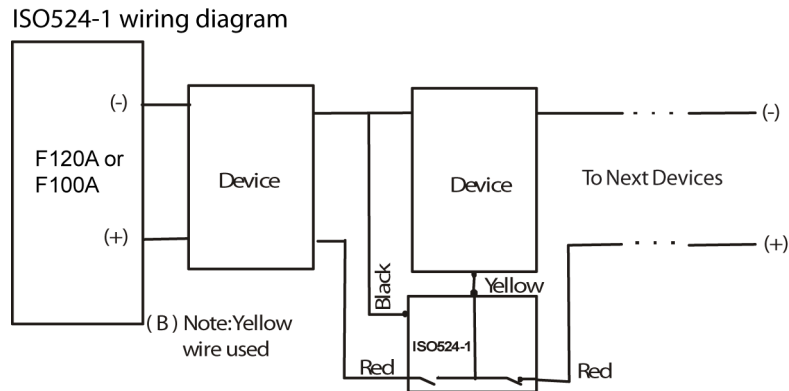
Features

- » Low current consumption: 100 μ A
- » Complete isolation of short-circuit cable between isolators
- » Automatic restore when short-circuit is corrected
- » Rugged industrial construction
- » Loop positive (+ve) isolation

Specification

Operating Voltage	15 Vdc to 28.5 Vdc
Standby Current	100 μ A @ 24 Vdc
Isolation Current	15 mA @ 24 Vdc
Maximum on Resistance (24 V)	0.13 Ω
Maximum on Resistance (15 V)	0.16 Ω
Off Resistance	2200 Ω
Operating Temperature Range	-30 °C to 70 °C
Humidity	0 to 95 %, RH, non-condensing
Dimensions	90 x 35 x 10 mm (Length x Width x Thickness)
Weight	25 g
Flying Lead Cable	Multi-strand 0.75 mm ²
Flying Lead Length	120 mm

Wiring Diagrams



Capacity

This following table shows the maximum number of detectors or modules that can be installed between two isolators.

Detector / Module Type	Max number between ISO524-1 or similar isolator
200 Series Detectors in B501AUS or B501AP Base	60
7251 Pinnacle	40
6500 Beam Detector	15
Old 500 Modules	6
M200 Modules (except CZ)	40
M210E-CZ Conventional Zone Module	10
Multi-modules	6
MCP5A Manual Call Point	4
Any sensor in B524RTE relay base	3

Ordering Information

Product Code	Description
ISO524-1	AA Short Circuit Isolator Unit

0900 AA Short Circuit Isolator Unit Iss 1.0 20181112