

A60E-2

Line isolator module

Short circuit protection

The A60E-2 line isolator provides short circuit protection, for analogue addressable loop wiring. Isolators are connected at intervals along the length of the loop, dividing the wiring into a series of separate monitored sections.

A maximum of 16 isolator units can be connected to each loop, (to meet the requirements of EN54 Pt2) which together with isolators at the beginning and end (internal to the panel), enable a maximum of 17 monitored sections.

In the event of a short circuit, isolators disconnect only the section of cable between the two isolators, located electrically closest to the fault. Devices outside the disconnected section continue to operate normally.

Soft addressing

Open circuit faults are automatically isolated by the control panel, which then operates from both ends running the line as two spurs and retaining full connection to all devices. Isolators do not require addresses, therefore allowing up to the full system capacity of 127 devices on each loop.

Complying with EN54 Part 17, the A60E-2 is suitable for installation in systems to local codes requiring short circuit monitoring (for example BS5839 Part 1).

Low profile moulding

Separate terminals (2.5mm² maximum) are provided for loop in and loop out connections together with screen continuity.

Housed in low profile mouldings, the isolators are designed to clip directly onto a standard DIN rail fixing. For non DIN rail mounting, units can be installed in a SMB-DIN100 box (one module capacity), or a SMB-DIN100 box (two module capacity).



Standard Features

- Provides short circuit loop protection
- Complies to EN54 Part 17
- Meets the recommendations of BS 5839 Pt1
- DIN rail mounting
- Low profile moulding

Specifications

Model No	A60E-2
Specification	EN54 Part 18
Description	Line isolator module
Compatibility	All ZP analogue addressable panels
Mounting	DIN rail, or SMB-DIN100, SMB-DIN200 surface boxes
Wiring	2 core "Class-A" return loop. Total loop = 75 ohms maximum. Between isolators = 18 ohms maximum. See ZP wiring guide GA 322 and product installation sheet
Monitoring	Loop - Short circuit protection
Indication	LED (red)
Operating voltage	Pulsed ZP loop (19.5 - 20.5V) with max 4 Volt line loss
Current	600uA quiescent, 800uA fault
Addressing method	Soft addressed (does not require an address number)
Application	Indoor installation
EN60529 rating	IP20
Temperature range	-10°C to +75°C
Humidity range (at 40oC)	10% to 95% RH (non condensing)
EMC	CE marked (EEC89/336)
Material	Moulded ABS
Dimensions	85mm (W) x 78mm (H) x 28mm (D)
Colour	White
Weight	64g
Publication No	PS1766

Ordering Information

Part No.	Description
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