



DIN Rail Mounting Short Circuit Isolator **EV-DIN-SCI**

Part no. F03-83620

General Description

EV-DIN-SCI is a DIN Rail Mountable Short Circuit Isolator for Evolution analogue addressable systems.

This device is intended to be mounted on a “DIN” rail inside a suitable enclosure to provide ingress protection and electrical safety. Cable connections are made via terminals at each end of the device.

Short Circuit Isolator function does not require any setting and self-resets when Short Circuit clears.

EV-DIN-SCI can be used to spur addressable device(s) from the Loop. However, a short circuit on the spur will be applied to the main Loop, so the next Loop device in each direction shall include an SCI.

Features and benefits

- DIN Rail Mount (Acc. to EN50022)
- Easy Termination access
- Self resetting when Short Circuit clears

Approvals

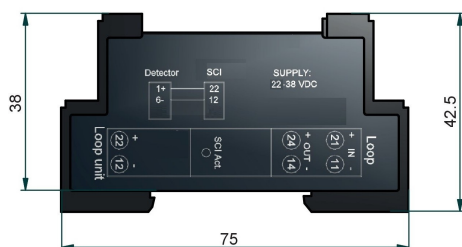
Test Standards	EN54-17: 2005 / AC: 2007
CPR Certificate	0905-CPR-00239
UKCA Certificate	0359-UKCA-CPR-00002
DoP Number	00239-NMI

Notes

Not compatible with Advanced MxPro4 (Mx4000) Panel.

It is not possible to mix +ve and -ve isolator styles on a system.

Dimensions (mm)



Short Circuit Indicating LED

Data

Operating voltage	22 VDC to 38 VDC
Quiescent current	60 μ A
Current when short circuited	13 mA
Ingress protection	IP20
Operating temperature	-10°C to +55°C
Relative humidity	RH 95%
Cable terminals	Max 2.5 mm ²
Material	PC/ABS
Weight	60 g
Minimum sw open voltage (V _{so min})	9 VDC
Maximum sw open voltage (V _{so max})	11 VDC
Minimum sw close voltage (V _{sc min})	10 VDC
Maximum sw close voltage (V _{sc max})	12 VDC
Maximum line current (I _{c max})	800 mA
Maximum switching current (I _{s max})	1500 mA
Maximum leakage current (I _{l max})	13 mA
Maximum switch resistance (Z _{c max})	120 m Ω

All wiring must conform to the current edition of IET Wiring regulations and BS5839 Part 1.

All loop Screens shall be connected continuous for incoming and outgoing loop cables, but must be Isolated from Ground. Cable Screens shall be connected to Earth Ground within the Control Panel ONLY.

Connections

NOTE: Optional spur device(s) not short circuit protected.
Do not connect any other detector terminals.

