Introduction

The FSC-1075 is a 32ch Digital Input field wiring din rail mounting termination module which has indicating fuse blown fuseholders suitable for fitting the Bussmann GMT range of fuses. The fuse protects against sensor short circuit and provides the sensor power. The module also provides an Alarm signal to the PLC/controller in the event that a fuse has blown.Individual channel alarms can be isolated by a mini handbag link. An on board red LED illuminates in the event that an alarm is present. Modules are available for 12, 24 & 48Vdc supplies. The module is supplied without fuses fitted as these are purchased separately.

Applications

Designed for use in large multi IO installations as found in Power stations and process plant, fuse failure indication makes plant maintenance quicker ensuring the customer can get up and working again with minimum delay. The alarm signal can be connected to a plc or DCS input which in turn can flag an alarm on a SCADA system directing maintenance to an identifiable input signal.

General Ratings

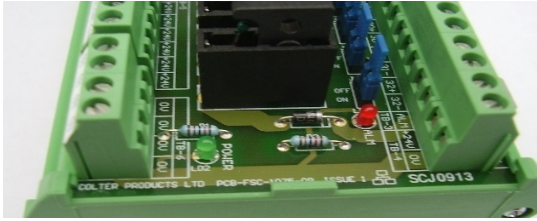|	
Storage temperature	-20 to +70 °C
Operating temperature	0 to 85 °C
Humidity	10-95% RH (non-condensing)
Dimensions	343mm width (Along Din Rail)
	90mm depth (Across Din Rail)
	62mm height
Voltage rating	Up to 60Vdc
Sensor supply Current	16A max
Unit mounting	The unit can be mounted on all standard NS32 and NS35 DIN rail profiles to EN50 045, EN50 035 and EN50 022 standards
Power Connected	Indicated by green LED illuminated
Connections to field inputs	Rising Clamp Screw terminals type MKDS 3/3 Connection capacity details are as follows Solid wire 0.2 - 4 mm2 Stranded wire 0.2 - 2.5 mm2 Stranded wire with ferrules fitted 0.25 - 2.5 mm2
Connection to PLC/DC	As above field connections
Spare Power connections	12 +Ve terminals and 4 0V screw terminals are available

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Connections:

Photo of isolating links and LEDs

FSC1075-24Vdc version shown above.
GMT Fuses are purchased separately
we recommend GMT-1/4A or 1/2A
for this module type.

Order Codes
FSC1075-12Vdc
FSC1075- 24Vdc
FSC1075- 48Vdc

Special options can be supplied such as reverse
RHS variant different connection options etc
Consult sales@coltergroup.co.uk for a quotation

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FSC-1075 *32DI-LHS 32ch Digital Input module*

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