

Product: **RM1-FBI-**** Single Channel Din Rail Mounting SPCO Relay Module with Fuse Blown indicating fuse

Product: **RM4-FBI-**** Four Channel Din Rail Mounting SPCO Relay Module with Fuse Blown indicating fuse

Specification

Single or four Channel Din Rail Mounting SPCO Relay Module with Fuse Blown indicating fuse in line with each relay Common Connection to give an Alarm signal in the event of that channel fuse going open circuit.

Fuse failure indication makes plant maintenance quicker ensuring the customer can get, up and working again with minimum delay. The modules use the Bussmann mechanical fuse failure indication on each circuit to provide an alarm signal which can be connected to a PLC which in turn can flag an alarm on a SCADA system directing maintenance to an identifiable individual relay. The modules are particularly useful in large control systems.

Electrical

Relay coil power approx. 400mW.

Relays are mounted in sockets and held in place with clips.

See Tyco Electronics catalogue for additional information on relay Specification

Low current Red LED on when relay coil energised.

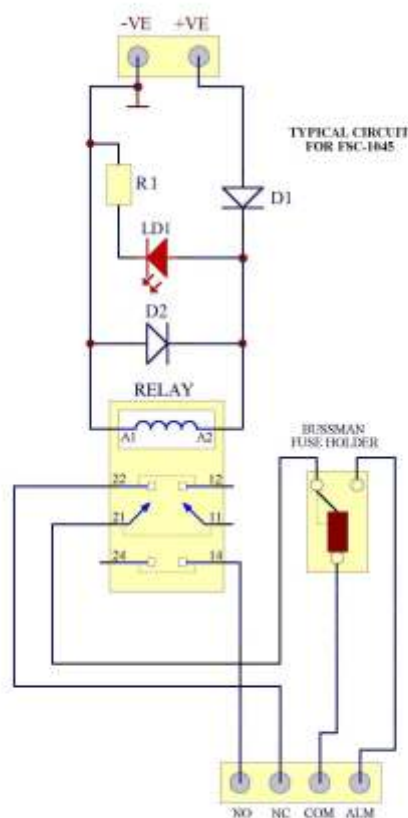
A diode protects against reverse polarity connection.

A diode across the relay coil protects against back emf.

Contact Maximum rating 60Vdc, 125Vac, 5Amp



Connections:



Note a blown fuse releases a sprung contact that will give a visual indication on the module that the fuse is blown and will also make with the Alarm contact to supply whatever voltage connected to the common connection as the alarm signal.

All connections are marked on the PCB. Connectors are Phoenix Contact type MKDS 3/ rising clamp screw terminals suitable for AWG 28-12 cable.

An option for 2 part plug and header connectors is also available

Mechanical

Housing is Phoenix Contact UM 72 Profil designed to fit commercially available DIN rails.

Both RM1 and RM4 are 65mm high and have a footprint 89.6mm across the rail by 27.5mm along the rail (RM1) or 102mm along the rail (RM4).

A marker groove in the moulding edge allows the fitment of ZB5 clip on labels.

Housing Material is PVC (UL94-V0)

Relay Specifications

Schrack Relay Type	Coil Vdc	Coil Res Ohms	Operate Voltage	Release Voltage	Tyco Part No.
RTD14012	12Vdc	360+-10%	8.4Vdc	1.2Vdc	6-1393238-2
RTD14024	24Vdc	1440+-10%	16.8Vdc	2.4Vdc	6-1393238-8
RTD14048	48Vdc	5520+-10%	33.6Vdc	4.8Vdc	6-1393238-9



RM1-FBI-24Vdc-5A-SS



Order code

RM | 1 or 4 | **FBI** | coil voltage | Fuse Rating | Connector type |

Relay Coil Voltages: 12Vdc, 24Vdc, 48Vdc

Fuse Ratings available: 0.25A, 0.5A, 1A, 2A, 3A, 4A, 5A

Leave blank if you wish to purchase fuses separately Fuse type is Bussmann GMT
IMPORTANT Customers should note that when fitting the GMT fuses they must not be forced down in position. See Bussmann data sheets for fitment details. A correctly positioned fuse will have the top flat edge of fuse approximately 7.7mm above the top edge of the module mounted fuse holder to which it is fitted.

Connector Type : SS Screw Terminal or 2P 2part plug and socket terminal

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