



8 Channel fuse module
DIN rail mounting
Alarm contacts to warn if a fuse has blown in the module
Minimises time to find blown fuse in a large system
Two part connections to ease wiring
Alarm isolation by links or optional switches

Introduction

The DRT-8AF is a DIN rail mounting 8 channel indicating fuse module. Each of the individual fuses when blown release a spring contact to close an alarm circuit and also mechanically indicates the fuse that has blown. The eight fuses are divided into two groups of four, each group with one commoned alarm circuit. Unused fuses or blown fuses can be isolated from the alarm circuit by on board jumper links or optional switches.

Features

- * Optional Bussmann GMT fuse ratings 0.18A to 5A, standard module fitted with 1A.
- * Two separate alarm circuits per module.
- * Two part connectors to ease wiring.
- * Electrical rating 60VDC max or 125VAC max.

General Ratings

Storage temperature	-20 to +70 °C
Operating temperature	0 to 50 °C
Humidity	0-90%
Weight	Typically 125g
Dimensions	90 mm wide 68 mm long 65 mm height
Screw terminal wire gauge	Up to 2.5 mm csa (14 AWG)
Maximum current per channel	5amps (supplied with 1Amp fuses fitted)
Maximum voltage	60VDC / 125VAC (100VAC with optional switches)
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
Optional Switches	ERG Type SSA. Rated 10VA, 100VAC

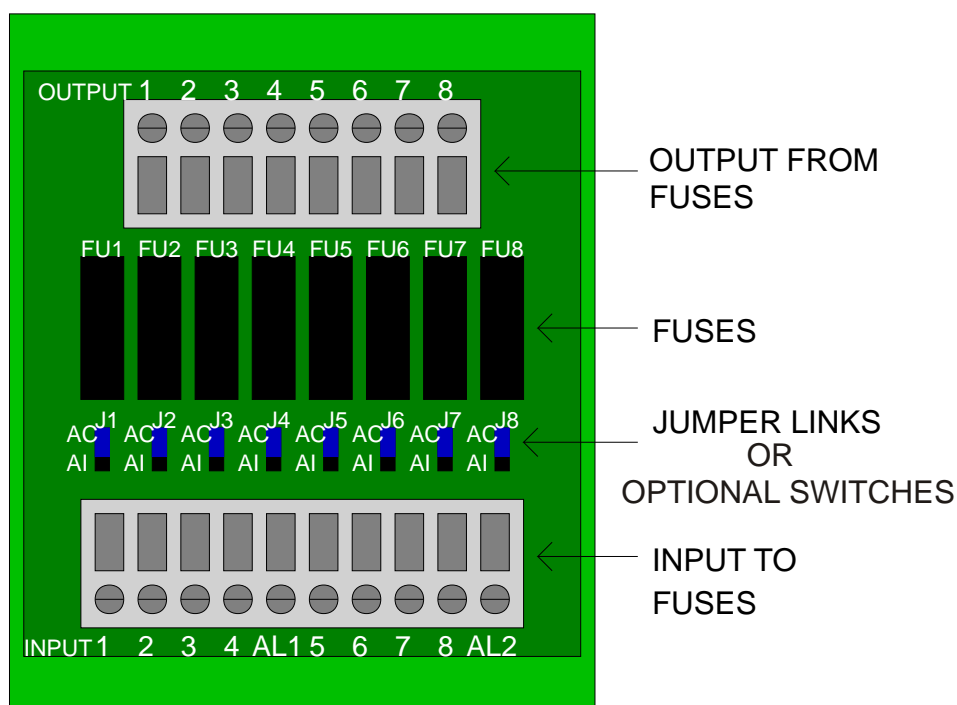


Applications

Applications include fuse monitoring on large project sites involving SCADA. This product can greatly reduce down time by allowing maintenance engineers to be guided quickly to the source of a breakdown.

The applications include shut down systems, process industries and automated production lines.

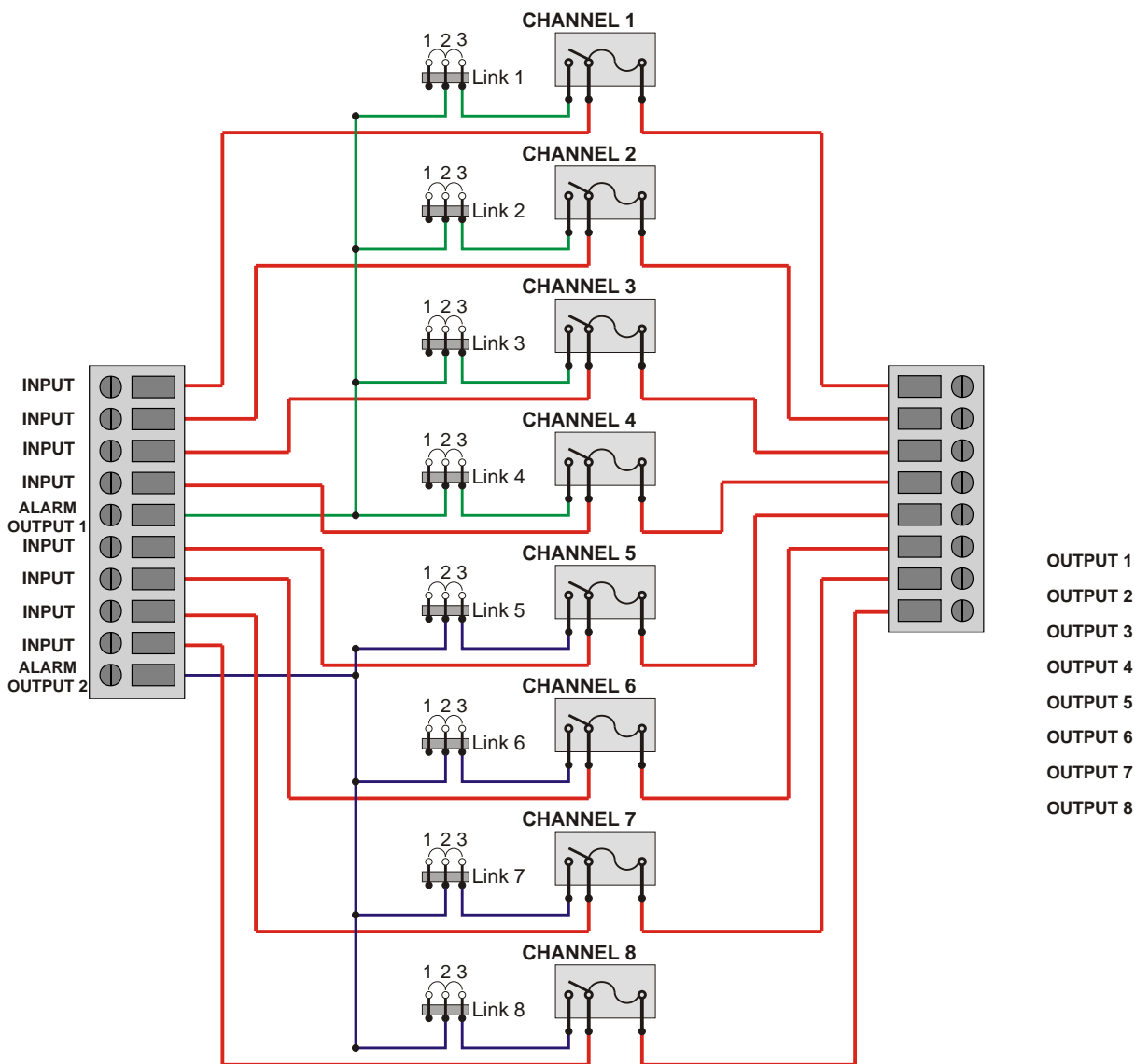
Connection Details



When making connection to the DRT-8AF the following applies:

- * Connect the line to be fused to an input eg input 1.
- * The fused line is then taken from the output of the same fuse eg. If connecting to input 1 then the output should be taken from output one.
- * To use the alarm contact the following applies:
 - * Terminal AL1 is the alarm output from fuses 1 to 4.
 - * Terminal AL2 is the alarm output from fuses 5 to 8.
 - * If fuse 1 to 4 blows then the output from AL1 will be the input voltage to the fuse that has blown. Alternatively if measuring for continuity between fuse1 and output AL1 then there will be continuity if fuse AL1 blows. This method can be used to determine exactly what fuse has blown.
- * If a fuse has blown and you wish to remove the alarm signal from the alarm output then move the jumper link from 'AC' (alarm continuity) to 'AI' (alarm isolated) on the relevant fuse.

Connection Details (continued)



Notes:

To put the links in the alarm isolated position the jump-links / switches should be put into the position 1-2, (position 'AI' on the PCB).

To put the links in the alarm continuity position the jump-links / switches should be put into the position 2-3 (position 'AC' on the PCB).

'Fuse blown' contacts are normally open, contacts close when fuse blows.

Important Note:

Modules supplied without GMT fuses. IMPORTANT Customer 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.





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Order Codes

Part Number

DRT-8AF - Standard version fitted with jumper links
DRT-8AF/SW - Optional switched alarm version

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