

# 8-channel Discrete Output



**2–60 V dc, isolated, unpowered**

**8117-DO-DC**

- ◆ 8 fully isolated semiconductor switched outputs
- ◆ controls solenoids and relays
- ◆ for load supplies of up to 60 V dc
- ◆ discrete or pulsed outputs
- ◆ 1A per channel switched

## MODULE SPECIFICATION

See also *System Specification*

### OUTPUTS

<b>Number of channels</b> .....	8
<b>Output voltage range</b> .....	2–60 V dc
<b>ON voltage drop</b> .....	0.25 V (max.)
<b>OFF leakage current</b> .....	1.0 mA (max.)
<b>Switched current per channel</b>	
Continuous .....	1 A
For < 100ms .....	4 A
For < 20ms .....	6 A

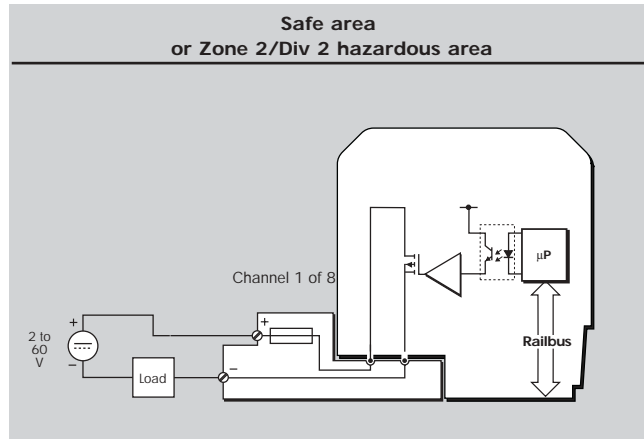
### CONFIGURABLE PARAMETERS

<b>Output initialisation state</b> .....	predefined value
<b>Fail-safe</b> .....	predefined value/last value
<b>Output</b> .....	discrete, momentary or continuous pulse†
<b>Pulse width</b> .....	2 ms to 130 s

### RESPONSE TIME

<b>Response time</b>	
From Railbus command to output change .....	3 ms (max.)

†Consult MTL for availability



### POWER SUPPLIES

<b>Railbus (12V) current</b> .....	45 mA (typ.)
.....	70 mA (max.)
<b>Bussed Field Power</b> .....	not required

### MECHANICAL

<b>Module Key Code</b> .....	B5
<b>Module width</b> .....	42 mm
<b>Weight</b> .....	200 g

### FIELD TERMINAL

Field wiring	Recommended Field Terminal	Compatible Field Terminal
<b>General purpose</b>	8604-FT-FU Fused	8602-FT-ST Standard
<b>Class 1, Div 2 or Zone 2 hazardous areas</b>	8611-FT-FU Non-arcing, Fused	8610-FT-NA Non-arcing

Note: External fusing to protect field wiring is recommended.

