

# 8-channel Discrete Output

20–265 V ac, non-isolated, module powered

## 8116-DO-AC

- 8 powered outputs
- Controls solenoids and relays
- Common load supply of up to 265 V ac
- Discrete or pulsed outputs
- 1A per channel maximum
- 20–265 V ac busfed field power required

## MODULE SPECIFICATION

See also System Specification

### OUTPUTS

**Number of channels**

- 8

**Output voltage range**

- 20–265 V ac

**Frequency**

- 50 / 60 Hz

**ON voltage drop**

- < 1.2 V

**OFF leakage current**

- < 4mA

**Switched current per channel†**

- Continuous – 1 A\*
- For < 100 ms – 5 A
- For < 20 ms – 20 A

**Minimum load current, per channel**

- @ 115 V ac – 11 mA
- @ 230 V ac – 5 mA

### CONFIGURABLE PARAMETERS

**Output initialisation state**

- Predefined value

**Fail-safe**

- Predefined value / last value

**Output**

- Discrete, momentary or continuous pulse‡

**Pulse width**

- 2 ms to 130 s

### RESPONSE TIME

**Response time (max.)**

- From Railbus command to output change – 2 ms + 11/42 cycle of mains frequency

### POWER SUPPLIES

**Railbus (12V) current**

- 75 mA (typ.)
- 125mA (max.)

**Busfed Field Power (voltage)**

- 20 to 265 V ac

### MECHANICAL

**Module Key Code**

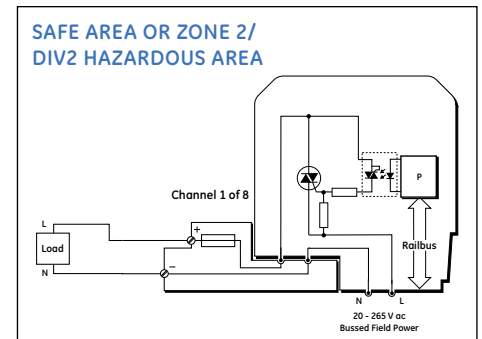
- F1

**Module width**

- 42 mm

**Weight**

- 220 g



### FIELD TERMINALS

Field Wiring	Recommended Field Terminal	Compatible Field Terminal
General purpose	8604-FT-FU Fused	8602-FS-ST Standard†
Class 1, Div 2 or Zone 2 hazardous area	8611-FT-FU Non-arching Fused	8610-FT-NA Non-arching†

† Alternative fusing in the field wiring is recommended if it is not provided in the field terminal.

† Stated figures are for operation with unfused field terminal. When operating with 2 A fused field terminal part no. 8604-FT-FU, maximum switched current is 5 A inrush for <10 ms pulse width at 0.1% duty cycle and <108 operations

\* Limited to 3 A per module.

‡ Consult GE for availability