MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

MTL

8115-DO-DC-01

8-CHANNEL DC OUTPUT MODULE

Used with the applicable MTL8000 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: MTL8000 8115-DO-DC Digital Output Module Datasheet; common family characteristics, complete -01 identity retained.

8-channel Discrete Output

2–60 V dc, non-isolated, module powered

8115-DO-DC

- 8 powered outputs
- Controls solenoids and relays
- Common load supply of up to 60 V dc
- Discrete or pulsed outputs
- 1A per channel switched current
- 2–60 V dc bussed field power required

MODULE SPECIFICATION

See also System Specification

INPUTS

Number of channels
- 8

Output voltage range
- 2–60 V dc

ON voltage drop
- 0.25 V (max.)

OFF leakage current
- 1.0 mA (max.)

Switched current per channel††
- Continuous* – 1 A
- For < 100 ms – 4 A
- For < 20 ms – 6 A

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
- From Railbus command to output change – 1 ms (max.)

POWER SUPPLIES

Railbus (12V) current
- 45 mA (typ.)
- 70 mA (max.)

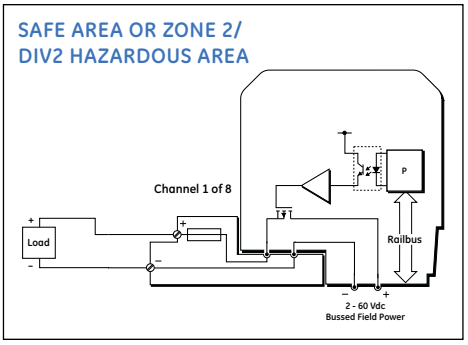
Bussed Field Power
- 2 to 60 V dc

MECHANICAL

Module Key Cod
- B6

Module width
- 42 mm

Weight
- 200 g



FIELD TERMINALS

Field Wiring	Recommended Field Terminal	Compatible Field Terminal
General purpose	8604-FT-FU Fused	8602-FT-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.*

†† *The total instantaneous switched current should not exceed the following:*
10 A for < 100 ms
18 A for < 20 ms

* *Limited to 6 A per module*

‡ *Consult GE for availability*