

4-channel Discrete Output

4Solenoid driver, IIC gas groups

8215-DO-IS

- 4 single-ended output channels
- Intrinsically safe field circuits
- Solenoid valves and alarms or LED indicators
- Line-fault detection

MODULE SPECIFICATION

See also System Specification

Number of channels

- 4

Minimum output voltage

- Open circuit – 22 V
- 45 mA load – 11 V

Maximum output voltage

- 25 V

Current limit per channel

- 45 mA (min.)

Output supply ripple

- <0.5% of output (pk. to pk.)

Line fault detection

- Short circuit – <15 Ω
- Open circuit – >13 k Ω

Isolation

- Any channel to Railbus – 60 V ac
- Between channels – None

CONFIGURABLE PARAMETERS

Output initialisation state

- High / low

Output state on “fail-safe”

- High / low / last value

Channel status

- Active / Inactive

Operation mode

- Static / dynamic

Output

- Discrete / momentary pulse / continuous pulse

Pulse width

- 2 ms to 130 s

Duty cycle

- 2 ms to 130 s (0.01% to 99.99%)

Line fault detection

- Enable / Disable

RESPONSE TIME

Railbus command to output change

- 10 ms (typ.)

SAFETY

Field wiring protection

- [EEx ia] IIC

Safety description (each channel)

- $V_o = 25$ V, $I_o = 110$ mA, $P_o = 0.69$ W

FM Entity parameters

- $V_{oc} \leq 25$ V dc, $I_{sc} \leq 110$ mA
- $C_o \leq 0.19$ μ F, $L_o \leq 3.15$ mH

POWER SUPPLIES

- IS Railbus (12V) current – 560 mA (max.)
- Power dissipation within module – 3.7 W (max.)

MECHANICAL

Module Key Code

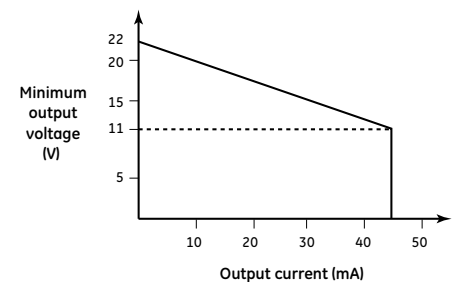
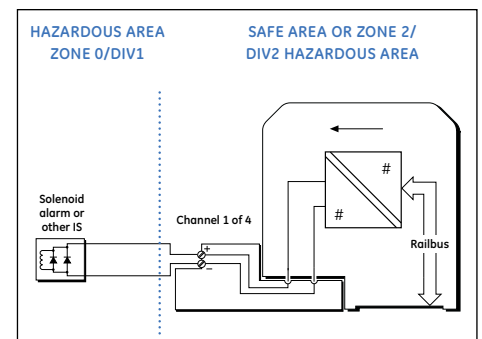
- B5

Module width

- 42 mm

Weight

- 220 g



FIELD TERMINALS

Field Wiring Type	Recommended Field Terminal
Intrinsically safe standard	8621-FT-IS
Intrinsically safe loop disconnect	8622-FT-IS