

# 8-channel Analog Input

1–5 V

## 8119-VI-05

- 8 single-ended input channels
- Non-incendive field circuits
- 1–5 V inputs
- Open circuit and short circuit detection
- 24 V dc busfed field power required

### MODULE SPECIFICATION

See also System Specification

### INPUTS

#### Number of channels

- 8, single-ended

#### Nominal signal range (span)

- 1 to 5 V

#### Full signal range

- 0.19 to 5.64 V

#### Out of range alarm

- Lower threshold – < 0.19 V
- Upper threshold – > 5.64 V

#### Accuracy (over temp range)

- ± 0.1% of span

#### Resolution

- 16 bits

#### Repeatability

- 0.05% of span

#### Isolation

- Any channel to Railbus – 100 V ac
- Between channels – None

### CONFIGURABLE PARAMETERS

#### Alarms

- High, high-high, low and low-low

#### Alarm deadband (hysteresis)

- User defined value

#### Input filter time constant

- User defined value

#### Input dead zone

- User defined value

#### Drive on failsafe

- Disabled / upscale / downscale

#### Channel status

- Active / Inactive

### RESPONSE TIME

#### Signal change to availability on Railbus

- 27 ms (max.)

### SAFETY

#### FM non-incendive field wiring parameters (each channel)

- $V_{oc} = 28.7\text{ V}$ ;  $I_{sc} = 33\text{ mA}$ ;  $C_o = 0.17\text{ }\mu\text{F}$ ;  $L_o = 11.0\text{ mH}$

### POWER SUPPLIES

#### Railbus (12V) current

- 100 mA (typ.)
- 150 mA (max.)

#### Busfed Field Power

- 60 mA (max.) at 24 Vdc ± 10%

### MECHANICAL

#### Module Key Code

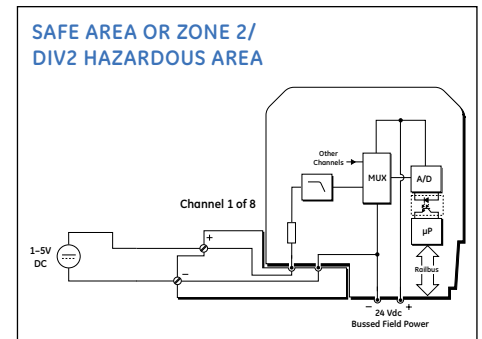
- A1

#### Module width

- 42 mm

#### Weight

- 200 g



### FIELD TERMINALS

Field Wiring	Recommended Field Terminal	Compatible Field Terminal
General purpose	8615-FT-4W 4-wire transmitter	—
Class 1, Div 2 or Zone 2 hazardous area	8615-FT-4W 4-wire transmitter	—