

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 bussed field power required

MODULE SPECIFICATION

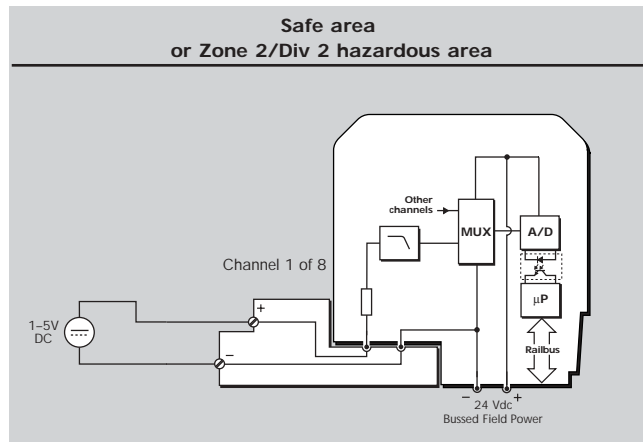
See also System Specification

INPUTS

Number of channels8, single-ended
 Nominal signal range (span)1 to 5 V
 Full signal range0.19 to 5.64 V
 Input impedance2 M Ω
 Out of range alarm
 Lower threshold< 0.19 V
 Upper threshold> 5.64 V
 Accuracy (over temp range) \pm 0.1% of span
 Resolution16 bits
 Repeatability0.05% of span
 Isolation (any channel to Railbus)100 V ac
 (between channels).....none

CONFIGURABLE PARAMETERS

Alarmshigh, high-high, low and low-low
 Alarm deadband (hysteresis)user defined value
 Input filter time constantuser defined value
 Input dead zoneuser defined value
 Drive on failsafe disabled /upscale /downscale
 Channel status active /inactive



RESPONSE TIME

Signal change to availability on Railbus27 ms (max.)

SAFETY

FM non-incendive field wiring parameters (each channel)
 $V_{oc} = 28.7$ V; $I_{sc} = 33$ mA; $C_a = 0.17$ μ F; $L_a = 11.0$ mH

POWER SUPPLIES

Railbus (12V) current100 mA (typ.)
150 mA (max.)
 Bussed Field Power 60 mA (max.) at 24 Vdc \pm 10%

MECHANICAL

Module Key CodeA1
 Module width42 mm
 Weight200 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	-

