



INSTALLATION:

Installations must meet the requirements of intrinsically safe systems for hazardous (classified) locations and must follow details specified in FMRC engineering control drawing #85049. The IS4022, IS4027 & IS4028 must also be installed in an explosion proof junction box.

Environmental -40° to +185°F (85° C) **T5**
Temp. Range: -40° to +149°F (65°C) **T6**

Compliance:

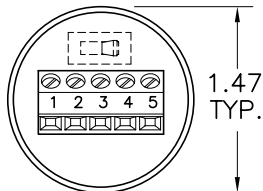
CE: EN55011, EN50022-2

◀ FM ▶ IS

Class I, Zone 0, AEX ia IIC
Class I,II,III, Div. 1
GROUP ABCDEFG

IS4022

PULSE AMPLIFIER
W/ OPTIONAL OUTPUT SELECT
FOR ELBY EXPL. PR. ENCL.



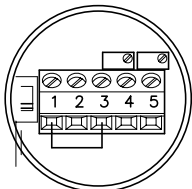
◀ FM ▶ IS

SPECIFICATIONS

Vs: Supply Voltage:	7.5 to 30 Vdc regulated (11 to 30 Vdc for Vo + 0-10V) 3.6 Vdc min., unregulated
Is: Supply Current: @ 30 Vdc max	≤ 3mA [0-5V] ≤ 12mA [0-10V] ≤ 20 mA [OC]
Vo: Output signal: R Load > 20 KΩ	See Order Information Chart
Input Sensitivity:	Standard (30 mVpp) High (12 mVpp)
Frequency Range:	~5Hz to 10kHz at specified sensitivity. ≥40kHz at increased signal level, varies with target size, distance and pickup sensitivity.

IS4027

FREQUENCY TO CURRENT CONVERTER
4-20mA
FOR ELBY EXPLOSION PROOF ENCLOSURE



◀ FM ▶ IS

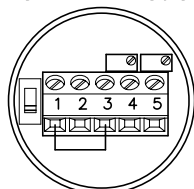
SPECIFICATIONS

Vs: Supply Voltage:	9-30 VDC @ ≤ 4mA
Input Protection:	100 VAC, reversed leads
Output Protection:	Short to +VDC, Common or Signal out Continuous
Frequency Input Range: F Hi:	Adjustable full scale: 1100 Hz to 10 KHz* (18kHz with signal > 50 mV, 1% linearity)
F Lo:	Adjustable full scale: 75 Hz to ≥ 1100 Hz
Input Sensitivity:	Standard 50mVpp High 12mVpp

SPECIFICATIONS

IS4028

FREQUENCY TO VOLTAGE CONVERTER
0-5V OR 0-10V
FOR ELBY EXPLOSION PROOF ENCLOSURE



◀ FM ▶ IS

Vs: Supply Voltage:	12-30 VDC @ ≤ 5mA
OUTPUT Parameters/ Model:	-01, -05 / -02, -06
Range:	10 V / 5 V
Vo, Minimum Output Voltage:	<30 mV / <20 mV
Vo, Maximum Output Voltage:	12 V / 6 V
	(Full Scale Min. Cal. Zero Cal. Set to Zero V)
Input Protection:	100 VAC, reversed leads
Output Protection:	Short to +VDC, Common or Signal out Continuous
Frequency Input Range: F Hi:	Adjustable full scale: 1100 Hz to 10 KHz* (18kHz with signal > 50 mV, 1% linearity)
F Lo:	Adjustable full scale: 75 Hz to ≥ 1200 Hz
Input Sensitivity:	Standard 50mVpp High 12mVpp