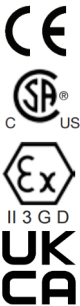


AC936 Series

Low Capacitance, Class I, Division 2 / Zone 2 Accelerometer, Side Exit 2 Pin Connector, 100 mV/g, ±10%



Regulatory Information

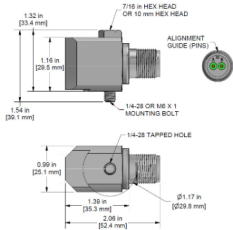
Ex nA IIC T3/T4
AEx nA IIC T3/T4
CLI Groups A, B, C, D
CLII Groups F, G
CLIII

Ui = 28 Vdc li = 100 mA
CSA 221421
KEMA 04ATEX1066
Ex nA II T3 or T4

Operating Temperature Code: T3
Ambient Temperature Range =
-40 to 125°C
Operating Temperature Code: T4
Ambient Temperature Range =
-40 to 80°C

AC936-1A 2 Pin Connector

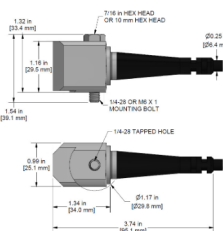
Connector	Polarity
Pin	
A	(+) Signal/Power
B	(-) Common



Stock Product

AC936-2C CB190 Integral Cable

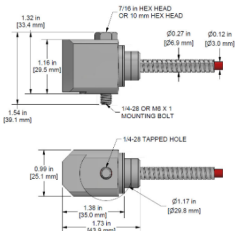
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

AC936-3C CB296 Armored Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	AC936	M/AC936	<u>Environmental</u>		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-40 to 250°F	-40 to 121°C
Frequency Response (±3dB)	30-516,000 CPM	0.5-8600 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	60-360,000 CPM	1.0-6000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80 g, peak		Sealing	Welded, Hermetic	
<u>Electrical</u>			SIL Rating	SIL 2	
Settling Time	<3 Seconds		<u>Physical</u>		
Voltage Source (IEPE)	18-28 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-10 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	30 µg/√Hz		Weight	5.3 oz	150 grams
Spectral Noise @ 100 Hz	19 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	15 µg/√Hz		Mounting Thread	1/4-28	
Output Impedance	<100 ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Bias Output Voltage	10-14 VDC		Resonant Frequency	1,260,000 CPM	21000 Hz
Case Isolation	>10 ⁸ ohm		Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm