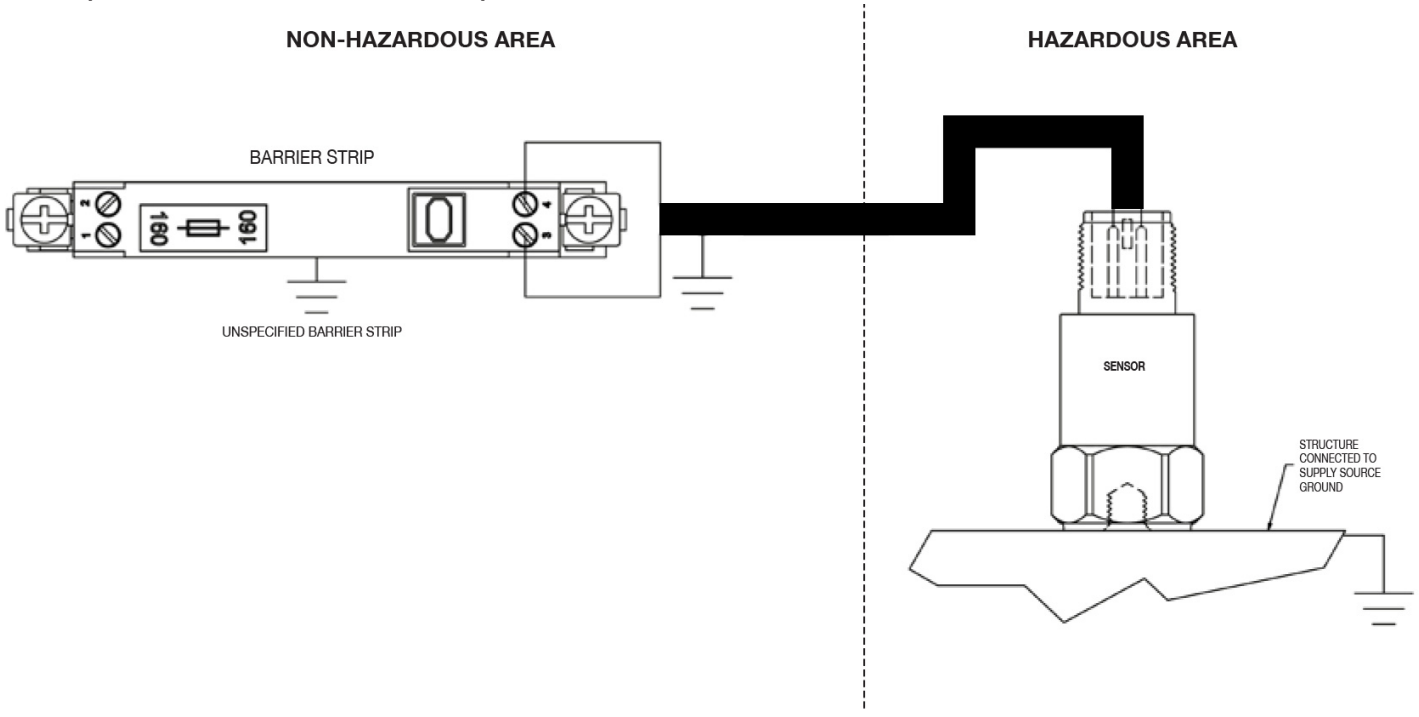
IECEx is an international certificate for electrical equipment used in explosive atmospheres (Ex equipment) intended to facilitate global trade in electrical equipment for use in hazardous locations. The following countries accept the IECEx certifications: Australia, Brazil, Canada, China, Croatia, Czech Republic, Denmark, Finland, France, Germany, Hungary, India, Italy, Japan, Korea, Malaysia, Netherlands, New Zealand, Norway, Poland, Romania, Russia, Singapore, Slovenia, South Africa, Sweden, Switzerland, Turkey, United Kingdom, and the USA (please note this may be subject to change)

Guidelines for Use & Installation

- A barrier is required for the installation of IS sensors. The barrier passes signals in either direction as required but limits the voltage and current that can reach the hazardous area under fault conditions. The barrier is put in series and is installed in a safe area
- Proper IS Barrier must be used with this sensor to ensure compliance with entity parameters
- Approved cabling (maximum 200 ft./60 m) must be used to bring the signal from the sensor to the Zener diode barrier or galvanic isolator, which is the energy-limiting interface.
- Sensors must be grounded to a grounded structure by stud mounting the sensor directly to the machine surface, ensuring metal (of the sensor) to metal (of the machine surface) contact



Entity Paramenters

Model	Description	Vmax	Ci	Imax	Li	Pi
AC95X Series	Accelerometer	28 V	70 nF	100 mA	51 µH	1 W
AC96X Series	Accelerometer	28 V	0 nF	100 mA	0 µH	1 W
LP852 Series	Loop Powered 4-20 mA output sensor, velocity	28 V	70 nF	100 mA	51 µH	1 W
LP862 Series	Loop Powered 4-20 mA output sensor, velocity	28 V	0 nF	100 mA	0 µH	1 W
LP952 Series	Loop Powered 4-20 mA output sensor, velocity	28 V	70 nF	100 mA	51 µH	1 W
LP962 Series	Loop Powered 4-20 mA output sensor, velocity	28 V	0 nF	100 mA	0 µH	1W

Vmax = Maximum Voltage

Ci = Total Capacitance of Circuit Allowable

Imax = Maximum Allowable Current

Li = Total Inductance of Circuit Allowable

Pi = Total Power of Circuit Allowable

Note:

- IS111 and IS211 barriers are compatible with AC95x,AC96x, LP852/LP952, and LP862/LP962 series sensors

Accessories

CB102

CB103

CB111

CB193

CB206

Note: the standard cable for integrated applications is CB103 polyurithane jacketed, twisted, shielded pair cable