

Ex e mb Encapsulated Stainless Steel Solenoid



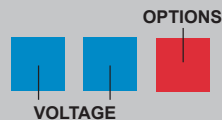
DESCRIPTION

Encapsulated coil suitable for ATEX category Ex II 2G, manufactured in accordance with the essential protection requirements of the EN/IEC standards EN/IEC60079-0, EN/IEC60079-7, EN/IEC60079-18, EN60079-31 and the ATEX directive 94/9/EC. Covered by Certificate of Conformity BASEEFA14ATEX0124X category II 2 GD and IECEXBAS 14.0070X.

FEATURES

- M20 conduit entry or 1/2" NPT
- Protection class IP65 according to ENBS60529
- Internal earth connection
- Continuously rated.
- Maximum permitted voltage variation $\pm 10\%$
- Maximum ambient temperature $+65^{\circ}\text{C}$
- Low power consumption
- Range of voltages available

PRODUCT CODE: **AV6360800**



SEE BELOW FOR PRODUCT CODE DETAILS

Any of the below options that are not required enter '0' in relevant box.

Standard Voltage

B	E	24v DC Low Power
B	J	24V DC
R	J	24v AC (50/60 Hz)
T	J	110v AC (50/60 Hz)
N	J	220v AC (50/60 Hz)
U	J	240v AC (50/60 Hz)

Options

0	No option required
E	1/2" NPT electrical connection

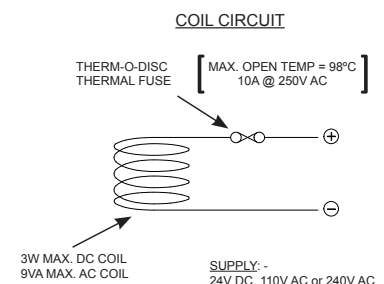
ENCAPSULATION SAFETY

Type 'm' (encapsulation) is a type of protection in which the parts that could ignite an explosive atmosphere by either sparking or heating are enclosed in a compound in such a way that the explosive atmosphere cannot be ignited.

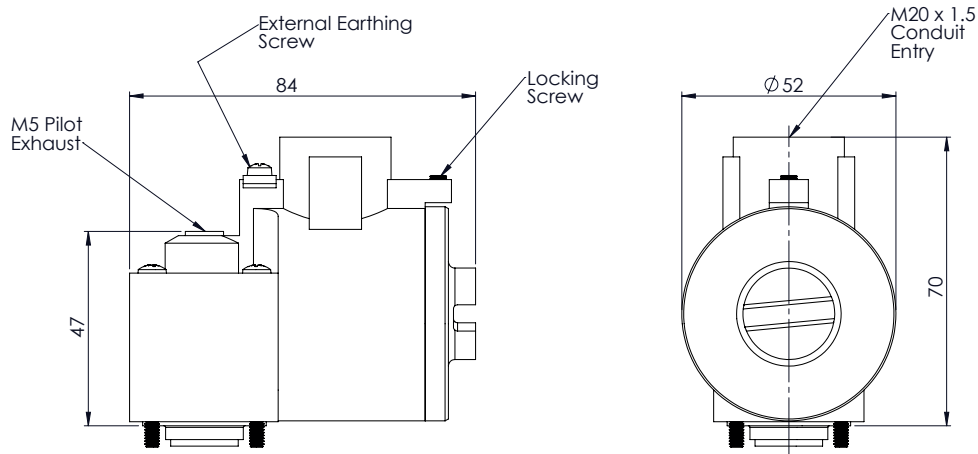
The Pneumatrol Exme solenoid is housed in a stainless steel enclosure which is potted with epoxy resin to form an hermetically sealed unit. A thermal fuse is embedded in the resin to prevent the coil overheating in the event of a fault.

INSTALLATION

The coil must be protected for a prospective short circuit current of 1500A.



DIMENSIONS (mm)



MATERIAL SPECIFICATIONS

STANDARD

Coil Case	Stainless Steel Epoxy Powder Coated
Armature and Fixed Pole Piece	Magnetic Solenoid Quality Stainless Steel
Springs	Stainless Steel
Seals and Seats	Nitrile & Viton
Coil Former	30% Glass Filled PBT
Magnetic Wire	Class H Coated Copper

SOLENOID SPECIFICATIONS

Coil Type	DC Solenoid Coil	AC Solenoid
Voltage Standard	24	24, 110, 220, 240 (50/60 Hz)
Voltage Tolerance	$\pm 10\%$	$\pm 10\%$
Ambient Temperature	-20 to +65°C	-20 to +65°C
Duty Cycle	100%	100%
Degree Of Protection	IP66 (IP67 available on request)	IP66 (IP67 available on request)
Electrical Connection	M20 or 1/2" NPT Conduit Entry	M20 or 1/2" NPT Conduit Entry
Power Consumption	1.3W or 3W	Pull In - 10VA, Holding - 5VA
Pressure Range	0 - 10 Bar	0 - 10 Bar