



EExme Encapsulated Solenoid

Description

Encapsulated coil suitable for ATEX category Ex II 2G, manufactured in accordance with the essential protection requirements of the ATEX standards EN60079-0:2006, EN60079-7:2007, EN60079-18:2004. Covered by Certificate of Conformity **DEMKO No. 03ATEX132854X category II 2 G EExme II T5.**

Features

- M20 conduit entry.
- Internal earth connection.
- Protection class IP65 according to ENBS60529 : 1992.
- Continuously rated.
- Maximum permitted voltage variation $\pm 10\%$.
- Maximum ambient temperature $+65^{\circ}\text{C}$.
- Low power consumption.
- Range of voltages available.



Product code:

Field: 1 2 3 4 5 6 7 8 9 10 11

A	V	6	3	6	0	9	0	0	●	
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Voltage

See below for product code details
If the option required is not listed please contact our sales office for assistance

Voltage:

- 24V DC low power 0.5 Watt
- 24V DC 2.4 Watt
- 24V DC low power 1.3 Watt

Code:

- | | | |
|---|---|----------|
| B | E | Non Std. |
| B | J | Std. |
| H | J | Std. |

Voltage

Voltage:

- 110v AC (50/60 Hz)
- 240V AC (50/60 Hz)
- 24V AC (50/60 Hz)

Code:

- | | |
|---|---|
| T | J |
| U | J |
| R | J |

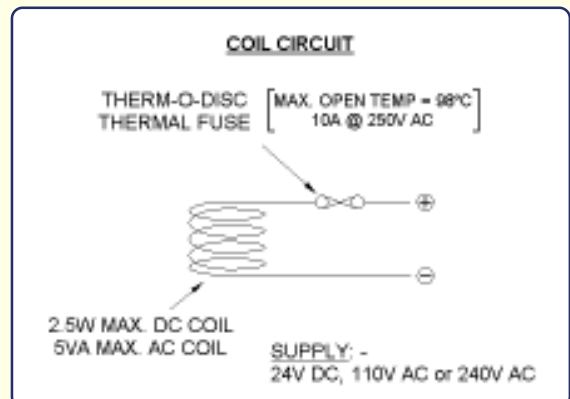
Encapsulation safety

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 RGS EExme solenoid is housed in a metal 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.

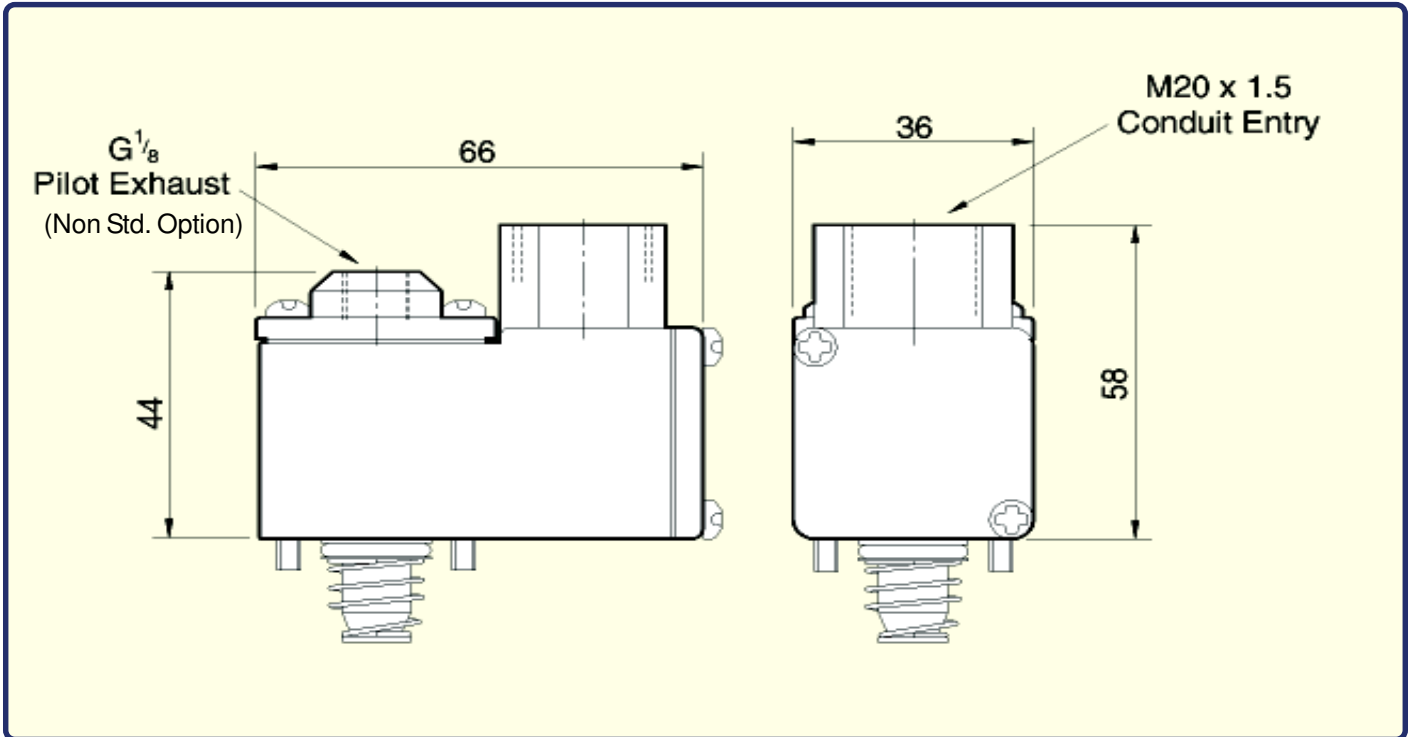
Installation

The coil must be protected for a prospective short circuit current of 4000A by providing a fuse in the supply with a breaking capacity of 4000A. The recommended rating for each fuse is 250mA for all EExme solenoid voltages.





EExme Encapsulated Solenoid



Material specification	Standard
Coil case	Zinc alloy epoxy powder coated
Armature and fixed pole piece	Magnetic solenoid quality stainless steel
Springs	Spring Steel Music Wire Zinc Flake Delta-Tone
Seals and seats	Nitrile & Viton
Coil former	30% glass filled PBT
Magnetic wire	Copper

Solenoid specification	Standard	
	DC solenoid coil	AC solenoid coil
Type	DC solenoid coil	AC solenoid coil
Voltage standard	12, 24, 110, 240	12, 24, 110, 220, 240, 440 50/60 Hz
Coil wire rating	Class H	
Voltage tolerance	+/-10%	
Ambient temperature	-20 to +65°C	
Duty cycle	100%	
Degree of protection	IP65	
Connection	M20 conduit	
Power consumption	0.5W, 1.3W, 2.4 Watts	Pull in - 10VA, holding - 5VA
Pressure range	0 - 10 bar	