

BASEEFA Approved Exd Flame Proof Coil Unit (Exd IIB +H2 T3 to T6)



DESCRIPTION

Flameproof coil suitable for Zones 1 and 2, manufactured in accordance with the requirements of the European harmonised standards EN/IEC60079-0, EN/IEC60079-1 and EN/IEC60079-31. Covered by Certificate of Conformity BAS No. BASEEFA06ATEX0037, category Exd IIB +H2 T3 to T6.

FEATURES

- M20 x 1.5 conduit entry or 1/2" NPT
- Protection class IP66 according to ENBS60529
- Connection by 2-pole 2.5mm² terminal strip + earth
- Continuously rated
- Maximum permitted voltage variation ±10%
- Internal and external earthing connection screw
- Low power consumption
- Wide range of voltages available
- BASEEFA approvals available - ATEX

PRODUCT CODE: AV6360D00

	DESIGNATOR	
VOLTAGE	DESIGNATOR	OPTIONS
[Blue Box]	[Purple Box]	[Red Box]

SEE BELOW FOR PRODUCT CODE DETAILS
Any of the below options that are not required enter '0' in relevant box.

Standard Voltage

- B** 24v DC
- H** 24v DC Low Power
- R** 24v AC (50/60 Hz)
- T** 110v AC (50/60 Hz)
- N** 220v AC (50/60 Hz)
- U** 240v AC (50/60 Hz)

Designator

- G** ATEX Exd IIB

Options

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

* A comprehensive range of non-standard voltages available on request

FLAMEPROOF SAFETY

Flameproof equipment is used extensively to prevent possible overheating or sparking of electrical equipment causing ignition in a potentially explosive atmosphere.

In the case of a solenoid the coil is enclosed in a robust enclosure which will contain an internal explosion should it occur and prevent its transmission to the surrounding atmosphere.

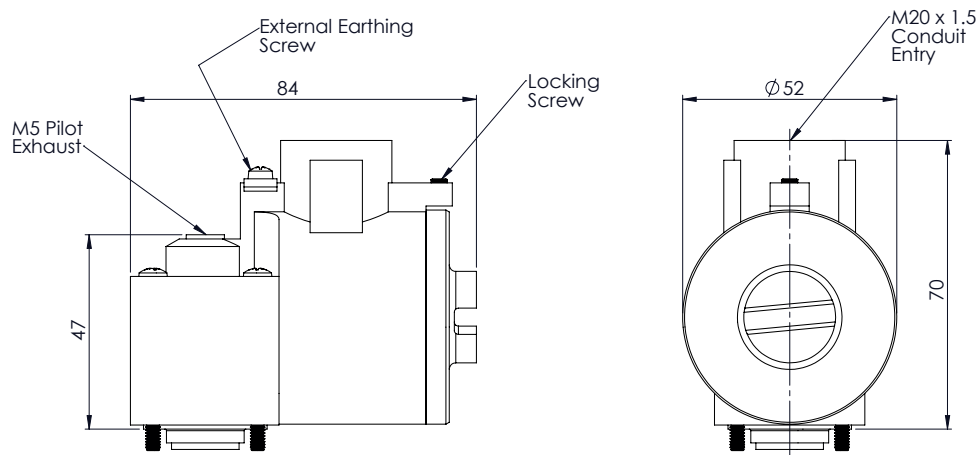
All construction joints in the enclosure are known as flame paths which prevent the transmission of a flame from within the enclosure to the outside atmosphere.

CABLE GLANDS AND CABLE

Cable Glands 2nd Field wiring must be of a certified type and the cabling methods used must be suitable for the conditions of use. (EN/IEC60079-14)

Sealing of the gland thread is not a requirement of the approval but thread sealant or sealing washers may be used to maintain the IP rating of the enclosure. (EN/IEC60079-14)

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	Viton
Coil Former	30% Glass Filled PBR
Magnetic Wire	Class H Coated Copper
Guide Tube	Stainless Steel

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	-60 to +80°C	-60 to +55°C
Duty Cycle	100%	100%
Degree Of Protection	IP66	IP66
Electrical Connection	Junction Box with M20 or 1/2" NPT Conduit Entry	Junction Box with M20 or 1/2" NPT Conduit Entry
Power Consumption	3W or 1.3W	Pull In - 10VA, Holding - 5VA
Pressure Range	0 - 10 Bar	0 - 10 Bar

TEMPERATURE

Temperature Rating	Voltage	Rating	Max. Ambient Temp.	Max. Cable Entry Temp.
T6	DC	3W	40°C	N/A
T4	AC	9.5va	40°C	90°C
T5	DC	3W	55°C	N/A
T3	AC	9.5va	55°C	105°C
T4	DC	3W	65°C	85°C
T4	DC	3W	80°C	105°C