

BASEEFA Approved Exd Flame Proof Coil Unit (Exd IIC T3 to T6)

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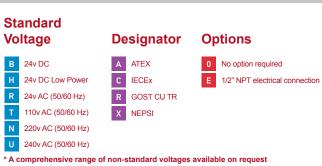
DESCRIPTION

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. BASEEFA06ATEX0123, category Exd IIC 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, IECEx, GOST CU TR, NEPSI





A comprehensive range of non-standard voltages available of requ

FLAMEPROOF SAFETY

Flameproof equipment is used extensively to prevent possible overheating or sparking of electrical equipment causing ignition in an 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.

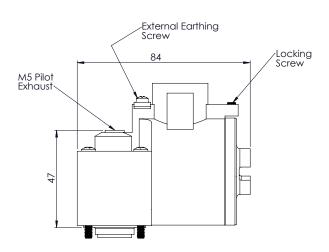
CABLE GLANDS AND CABLE

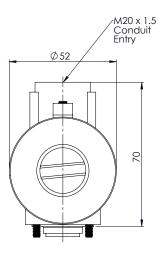
Cable Glands 2nd Field wiring must be of a certified type and the cabling methods used must be suitable for the conditions of use. (EN/IEC60079-14)

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	±10%	±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
Т3	AC	9.5va	55°C	105°C
T4	DC	3W	65°C	85°C
T4	DC	3W	80°C	105°C