ATEX Approved EExnA Non-incendive Stainless Steel Coil Unit

Description

Non-incendive coil suitable for Zone 2 areas only, manufactured in accordance with the requirements of BS EN 60079-15:2005. Such that under normal operation it is not capable of igniting a surrounding explosive atmosphere and a fault capable of causing ignition is not likely to occur. Covered by BASEEFA approval, Certificate Number Baseefa03ATEX0296X category EExnA II T4 and T6.

Features

- M20 x 1.5 conduit entry.
- Connection by 2-pole 2.5mm^2 terminal strip + earth.
- Protection class IP66 according to ENBS60529 : 1992.
- Continuously rated.
- Maximum permitted voltage variation ±10%.
- Maximum Ambient Temperature +60°C.
- Low Power consumption.
- Wide range of Voltages available.

Product Code :

A	V	6	3	6	0	5	0			A
					0				Voltage	

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

Voltage

Voltage:	Code:	Voltage:	Code:
12v DC	A	24v AC (50/60 Hz)	R
12v DC Low Power 1.3 watt	G	48v AC (50/60 Hz)	S
24v DC	B	110v AC (50/60 Hz)	T
24v DC Low Power 1.3 watt	H	240v AC (50/60 Hz)	U

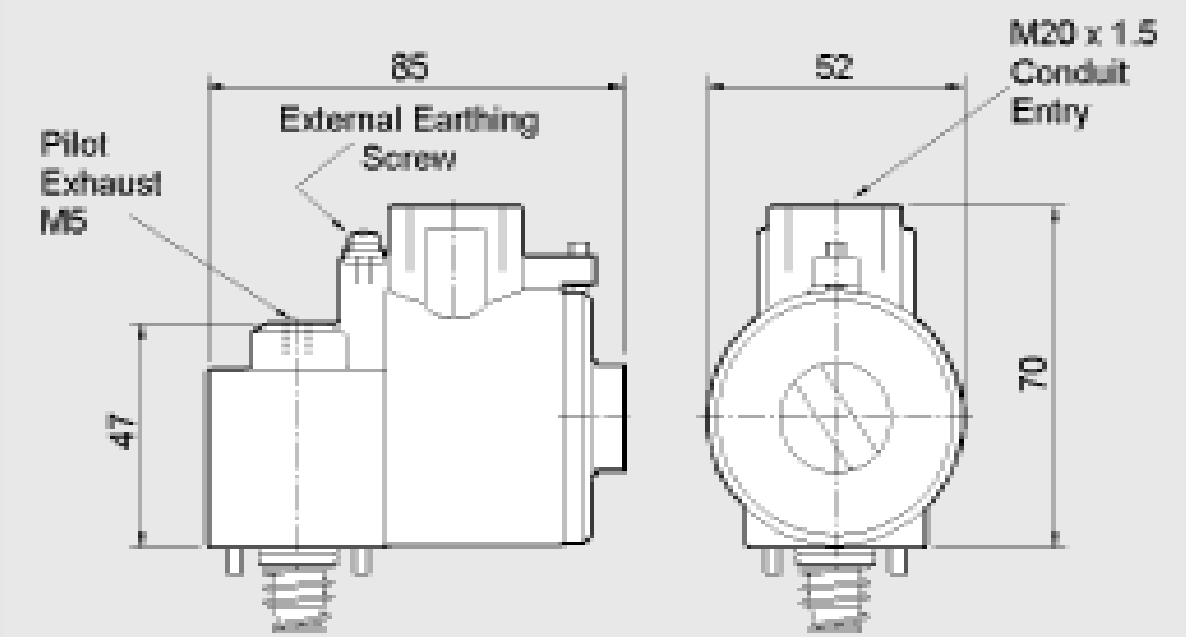
Installation

The valve is provided with M20 conduit thread electrical entry to accept screw in compression type cable gland or conduit stopping gland with or without adapter, chosen in accordance with a recognised Code of Practice for the conditions of use. 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.

Special Certification Conditions

1. The valve assembly must be complete when the coil is energised.
2. The supply voltage must not exceed 1.1X rated voltage for AC units, 1.2X rated voltage for DC units.
3 The coil supply circuit must be individually protected by a fuse which has a standard rated current nearest to that of the normal operating current of the solenoid and of the type specified in Standard Sheet III of IEC Publication 127 : 1974 for up to 250 V. (See Table 1 shown overleaf for fuse ratings.)
4. The temperature of the medium passing through the valve must not exceed 60°C.
5. Any internal earth conductor must be connected by means of a crimped ring type connector.

ATEX Approved EExnA Non-incendive Stainless Steel Coil Unit



Material Specification	Standard
Coil Case	ANC1B 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

Solenoid Specification Standard		
Type	DC Solenoid Coil	AC Solenoid
Voltage Standard	12, 24, 48, 110	24, 48, 110, 220, 440 50/60 Hz
Coil Rating	Class F	Class F
Voltage Tolerance	–10%	–10%
Ambient Temperature	-40 to +60℃	-40 to +60℃
Duty Cycle	100%	100%
Degree of Protection	IP66	IP66
Connection	Junction Box with M20 Entry	Junction Box with M20 Entry
Power Consumption	2.4, 1.3, 0.5 Watts	Pull in - 10VA, Holding - 5VA
Pressure Range	0 - 10 Bar	0 - 10 Bar

Fuse Ratings		
DC	AC	Rating
12	50	250mA
24	110/120	125mA
48	220/240	63mA
110	380/440	32mA

Table 1

R.G.S. Electro - Pneumatics Ltd.,
West End Business Park, Blackburn Road
Oswaldtwistle, Lancs., England.

Tel. +44 (0)1254 872277
Fax. +44 (0)1254 390133
e-mail : sales@rgs-e-p.co.uk