

## E13A-G Series, Gang Mounted, Direct Acting, 1/8", 3/2 Function Solenoid Valve

CALL: +44 (0)1254 872277  
E-MAIL: sales@pneumatrol.com



### DESCRIPTION

Gang mounted, 3 port 2 position direct acting solenoid valves, available in normally closed or normally open configuration, for the operation of single acting pneumatic devices.

Valve is illustrated with safe area plug & socket coils.

Body material available in

- Aluminium (standard)
- Stainless Steel
- Brass

### FEATURES

- Single air inlet connection port
- Interchangeable coils, including various hazardous area options
- Pilot exhaust dust caps fitted as standard

PRODUCT CODE: **E 1 3 A G**

OPERATOR

OPTIONS 1 COIL BANK No. VOLTAGE DESIGNATOR OPTIONS 2

SEE BELOW FOR PRODUCT CODE DETAILS

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

#### Operator

- X** Spring return, normally closed
- Y** Spring return, normally open

#### Coil

- A** Exia (BASEEFA)
- B** Terminal Box
- U** Exia (FM)
- D** Exd
- K** MC30 Plug & Socket
- N** ExnA
- P** Plug & Socket
- S** Exia (BASEEFA) Stainless Steel Housing
- 0** No Coil Unit
- 9** Exm

#### Options 1

- C** Lever manual override
- D** Push button manual override
- 1** Tamperproof manual override
- 0** No option required

#### Bank No.

- 2** Bank of two (2)
- 3** Bank of three (3)
- 4** Bank of four (4)
- 5** Bank of five (5)
- 6** Bank of six (6)
- 7** Bank of seven (7)
- 8** Bank of eight (8)
- 9** Bank of nine (9)
- A** Bank of ten (10)

#### Standard Voltage

- B** 24v DC
- H** 24v DC Low Power <sup>(1)</sup>
- R** 24v AC (50/60 Hz)
- T** 110v AC (50/60 Hz)
- N** 220v AC (50/60 Hz)
- U** 240v AC (50/60 Hz)

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

#### Note:

- (1) "H" option not available with Exia solenoids
- (2) IECEX only available with Exia and Exd Solenoids
- (3) GOST CU TR only available with Exd solenoids
- (4) NEPSI only available with Exia and Exd solenoids

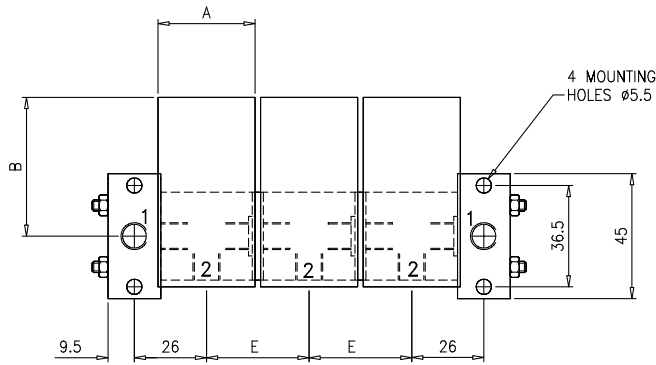
#### Designator

- A** ATEX
- C** IECEX <sup>(2)</sup>
- E** Exme 0.5W
- G** ATEX Exd IIB
- H** Exm
- J** Exme 2.4W
- R** GOST CU TR <sup>(3)</sup>
- X** NEPSI <sup>(4)</sup>

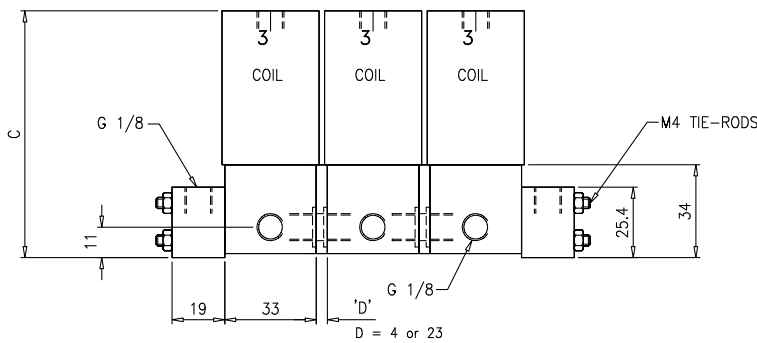
#### Options 2

- B** Valve body brass
- C** Valve body brass and NPT ports
- D** Valve body brass, NPT ports and 1/2" NPT electrical connection
- E** 1/2" NPT electrical connection
- L** Low temperature duty -40°C
- M** NPT ports and 1/2" NPT electrical connection
- N** NPT ports
- P** Valve body stainless steel, NPT ports and 1/2" NPT electrical connection
- R** Valve body stainless steel and NPT ports
- S** Valve body stainless steel
- X** Valve suitable for use with Oxygen

**DIMENSIONS (mm)**



COIL TYPE	A	B	C	D	E
Plug & Socket	35	58	89	4	36
Terminal Box	35	48	89	4	36
ExnA	35	48	89	4	36
Exd	52	68	109	23	55
Exia	35	48	109	4	36
Exm	35	55	89	4	36



**MATERIAL SPECIFICATIONS**

**STANDARD**

Body	Black Anodised Aluminium (Dural)
Jet	Brass
End Blocks	Black Anodised Aluminium (Dural)
Tie Rods & Nuts	Stainless Steel

**VALVE SPECIFICATIONS**

**STANDARD**

Port Connection Size	1/8" BSP
Working Pressure	0 to 10 bar
Cv Factor	0.06 (0.04 Intrinsically safe coil)
Flow Rate (at 6 bar with 1 bar pressure drop)	62 l/min 42 l/min for Intrinsically safe coil
Maximum Ambient Temperature	+80 °C
Minimum Working Temperature	-20 °C

**COIL DETAILS**

Coil Type	Plug & Socket	Terminal Box	ExnA	Exd	Exm	Exia
Area Class	Safe	Safe	Zone 2	Zones 1 & 2	Zones 1 & 2	Zone 0, 1 & 2
Area Category	N/A	N/A	ExN II T4-T6	Exd IIC T3-T6	Exm IIC T5	Exia IIC T6
Ingress Protection	IP65	IP65	IP65	IP66	IP65	IP65
Cable Entry	PG.9	M20 x 1.5	M20 x 1.5	M20 x 1.5	Flying leads	M20 x 1.5
Ambient Temperature	-20 to +80 °C	-20 to +80 °C	-40 to +60 °C	-60 to +80 °C	-20 to +65 °C	-40 to +65 °C
Magnetic Wire Class	H	H	H	H	H	H

**\* FURTHER SOLENOID OPTIONS AVAILABLE ON REQUEST**