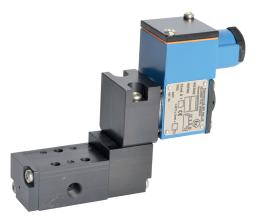
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E13--C Series, 1/8", 3/2 Function Solenoid Valve



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

DESCRIPTION

3 port 2 position, pilot operated solenoid valve.

Valve is illustrated with an ExnA coil.

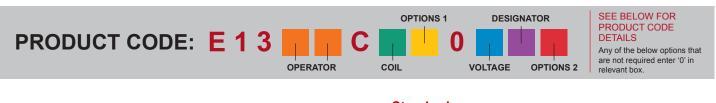
Body material available in

- Aluminium (standard)
- Stainless Steel
- Brass

Seal kit available - VSK100

FEATURES

- External or internal pilot air connection
- Single coil spring return function or double coil stay put function
- · Convenient fixing holes to enable bracket mounting
- Pilot exhaust dust caps fitted as standard
- · Interchangeable CNOMO interface coil units, including hazardous area options



Operator	Coil	Options 1	Standard Voltage	Designator	Options 2
 8 Spring return, internal pilot air feed 8 0 Spring return, external pilot air connection 9 Double solenoid, internal pilot air feed 9 0 Double solenoid, external pilot air connection 	 A Exia (BASEEFA) B Terminal Box U Exia (FM) D Exd K MC30 Plug & Socket N ExnA P Plug & Socket S Exia (BASEEFA) Stainle S Steel Housing 0 No Coil Unit 9 Exm 	Note (1) "H (2) IE (3) G	B 24v DC H 24v DC Low Power ⁽¹⁾ R 24v AC (50/60 Hz) T 110v AC (50/60 Hz) N 220v AC (50/60 Hz) U 240v AC (50/60 Hz) V 240v AC (50/60 Hz) * A comprehensive range of non-standard voltages available on request : T option not available with Exia CST CU TR only available with Exia EPSI only available with Exia	and Exd Solenoids th Exd solenoids	 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

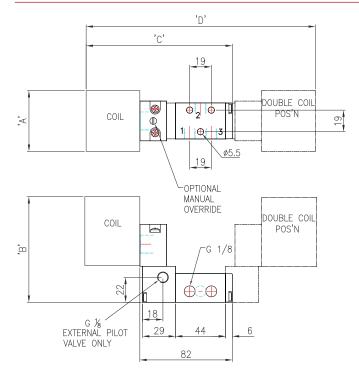
REMOTE MOUNTED

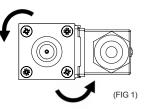
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COIL ORIENTATION

The coil itself can be rotated in 90° steps by releasing the four securing screws. (FIG 1) When rotating the coil care should be taken to ensure the core assembly (core, spring, seal and washer) remains intact and alined correctly. This is easily achieved by only lifting the coil the small amount required to clear the screws enabling the coil to be rotated.

DIMENSIONS (mm)





COIL TYPE	Α	В	С	D
MC30 Plug & Socket	36	101	126	195
Heavy Duty Mazak Plug & Socket	36	112	126	195
Standard Terminal Box	36	99	134	211
SS Terminal Box	52	119	151	245
ExnA Terminal Box	36	99	134	211
Exd SS Terminal Box	52	119	151	245
Exm Flying Lead	36	106	122	187
Exme Terminal Box	36	99	134	211
Piezo Operator	32	72	135	213
Exia SS Terminal Box	52	119	158	259
Exia Std. Terminal Box	36	99	141	225
Exia Plug & Socket	36	125	129	201

MATERIAL SPECIFICATIONS

	STANDARD
Body and End Caps	Black Anodised Aluminium (Dural)
Spool	Hard Anodised Aluminium PTFE Impregnated
Jet	Brass
Spacers	Glass Filled Acetal
Seals	Nitrile
Spring	Music Wire

VALVE SPECIFICATIONS

	STANDARD
Port Connection Size	1/8" BSP
Working Pressure Internal Pilot Version	3 to 10 bar
Working Pressure External Pilot Version	3 to 10 bar
Minimum External Pilot Pressure	3 bar
Cv Factor	0.4
Flow Rate (at 6 bar with 1 bar pressure drop)	382 l/min
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	Н	Н	Н	Н	Н	Н

* FURTHER SOLENOID OPTIONS AVAILABLE ON REQUEST

REMOTE Mounted, E13--C Series, 1/8", 3/2 Function Solenoid Valve