

# CNOMO Based Solenoid, E13AXC Series



## DESCRIPTION

Direct acting spring return normally closed solenoid, conforming to CNOMO standards.

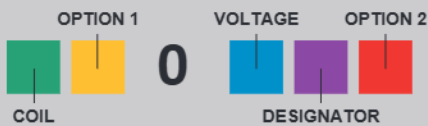
- Hazardous area approved pilot operators
  - ExnA, Ex e mb, Exd & Exia
- Various international approvals
  - ATEX, IECEx, FM/CSA & CCCEX
- Body material available in
  - Aluminium (standard)
  - Stainless Steel
  - Brass

Valve Assembly illustrated with an Exd coil for reference only.

## FEATURES

- Direct mounting to all valves meeting CNOMO fixing dimensions
- Interchangeable coils, including various hazardous area options
- Pilot exhaust caps fitted as standard
- SIL 2 capable (De-energise to trip @ HFT=0), SIL 3 Capable (De-energise to trip @ HFT=1)
- Our manual override options are **NOT** currently covered by SIL Certification

PRODUCT CODE: **E13AXC**



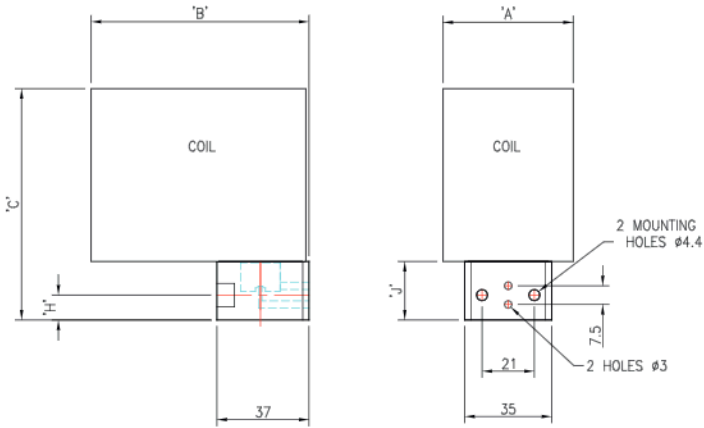
SEE BELOW  
PRODUCT CODE  
DETAILS

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

Coil	Option 1	Standard Voltage	Designator	Option 2
<b>A</b> Exia	<b>C</b> Lever manual override	<b>B</b> 24v DC	<b>A</b> ATEX / IECEx / CCCEX <sup>(2)</sup>	<b>B</b> Valve body brass
<b>B</b> Terminal Box	<b>D</b> Push button manual override	<b>H</b> 24v DC Low Power <sup>(1)</sup>	<b>B</b> ATEX / IECEx / CCCEX (10mA) <sup>(4)</sup>	<b>E</b> 1/2" NPT electrical connection
<b>D</b> Exd	<b>S</b> Screw driver override	<b>R</b> 24v AC (50/60 Hz)	<b>F</b> FM / CSA <sup>(3)</sup>	<b>L</b> Low temperature duty -40°C
<b>H</b> Plug & Socket Exia	<b>0</b> No option required	<b>T</b> 110v AC (50/60 Hz)	<b>J</b> ATEX Ex e mb	<b>S</b> Valve body stainless steel
<b>K</b> MC30 Plug & Socket	*Not SIL approved with manual override options	<b>U</b> 240v AC (50/60 Hz)		
<b>L</b> MC30 Plug & Socket with LED		* A comprehensive range of non-standard voltages available on request		
<b>P</b> Plug & Socket				
<b>S</b> Exia Stainless Steel Housing				
<b>Y</b> ExnA Plug & Socket				
<b>4</b> Stainless Steel Housing				
<b>5</b> ExnA Stainless Steel Housing				
<b>8</b> Ex e mb Stainless Steel Housing				

Note:  
 (1) "H" option not available with Exia solenoids  
 (2) IECEx & CCCEX only available with Exia and Ex db solenoids  
 (3) FM only available in Exia  
 (4) Exia Only

## DIMENSIONS (mm)



### COIL TYPE

	A	B	C	H	J
Heavy Duty Mazak Plug & Socket	36	81	67	10.5	24
Standard Terminal Box	36	68	75	10.5	24
SS Terminal Box	52	88	92	10.5	24
ExnA Terminal Box	36	68	75	10.5	24
Exd SS Terminal Box	52	88	92	10.5	24
Exia SS Terminal Box	52	88	99	11.5	31.5
Exia Standard Terminal Box	36	68	82	11.5	31.5
Exia Plug & Socket	36	94	70	11.5	31.5

## MATERIAL SPECIFICATIONS

### STANDARD

Body	Natural Anodised Aluminium (Dural)
Spring	Stainless Steel

## VALVE SPECIFICATIONS

### STANDARD

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 - Intrinsically safe coil
Maximum Ambient Temperature	+80°C
Minimum Working Temperature	-20°C

## COIL DETAILS

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

Further solenoid options available on request