Product ID ALV110L1Q1C6F

PRODUCT NAME

MODEL NO. ALV110L1Q1C6F

Direct Acting Intrinsical Safe Solenoid Valve (Cnomo)

DESCRIPTION OF THE PRODUCT

Direct acting spring return normally closed solenoid valve with Ex ia IIC T6 Gb thermoplastic enclosure coil. According to the CNOMO-30 standard, this solenoid valve can be directly attached to various flow pneumatic valves to implement pilot control in hazardous area (Class 0 Zone 0).



AP	P	KU	VI	= D	В	Y







Coil Specification	(C6)		
Coil Enclosure	Thermoplastic		

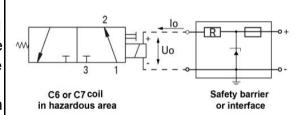
I anie connection I	Flying leads (cable length 1 m and other lengths on request)
	40.0 041/DO 00 40 A + 00°C 00°C

			lengths on request)	
BODY TECHNICAL DATA		Operating Voltage &	13.0~24VDC, 22~42mA at -20 $^{\circ}$ C $^{\sim}$ 60 $^{\circ}$ C	
Body	Extruded aluminum + anodized coated	Electric current	13.3~24VDC, 22~67mA at -40℃ ~60℃	
Seal	Buna N	Insulation Protection	H Class	
Fasteners	Stainless steel	Insulated voltage	1000V	
Function	3/2 direct acting, spring return, NC,	Duty factor	100% ED	
Manual Override	on the body	Area Classification	Ex ia IIC T6Gb, Ex ia IIIC T85℃ Da	
Air Ports	¢3mm	Supply Spercifications for Coil of C6		
Flow rate	29.1L/M, CV=0.03 (Orifice 0.8mm)	U max : in	30VDC	
Mounting	CNOMO interface	I max : in	650mA	
Working Medium	≤ 40µm filtered and dried air (0∼8 bar)	W max : in	2980mW	
Working Temp.	king Temp40°C∼60°C		0	
Weather Proof	IP67	L max : in	0	

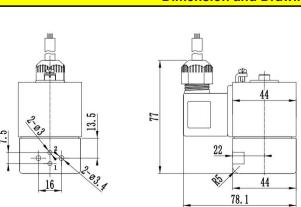
Wiring connection instructions

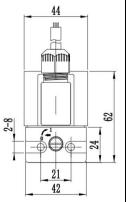
The electrical connection between the safety barrier(or interface) placed in safe zone and the solenoid valve installed in a hazardous zone can be made using the flying leads cable (cable length 1 m and other lengths on request). Note that the solenoid valve has positive and negative wiring requirements, the red line is positive, the blue line is negative, and the green and white double color line is grounding.

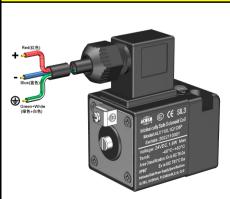
Wiring with barrier



Dimension and Drawing







Wiring Operating

For continuous improvement of the product, we reserve the right to alter the dimensions, technical data in this data sheet.



Engineering & Technical Centre, 1 Ormside Close, Hindley Industrial Estate, Hindley Green, Wigan, WN24HR, Greater Manchester, UK, Tel +44 (0) 1942 525833, Technicalsales@alphacontrols.co.uk, www.alphacontrols.co.uk

