Allied Data Sheet[*]	Product ID ALV110Q1C7

PRODUCT NAME	MODEL NO. ALV110Q1C7
Direct Acting Intrinsical Safe Solenoid Valve (Cnomo)	

DESCRIPTION OF THE PRODUCT	
Direct acting spring return normally closed solenoid valve with Ex ia IIC T6 Ga aluminium 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 1 Zone 0).	

APPROVED BY	Coil Specification (C7)	
ATEX IEC IECEx CE IP67	Coil Enclosure	Die-casting aluminum + Epoxy coated
	Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip

BODY TECHNICAL DATA		Operating Voltage	12.5~24VDC(0.25~1.0W) at -20～60℃
			13.5~24VDC (0.31~1.0W) at -40～60℃
Body	Extruded aluminum + anodized coated		
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 T6 Ga, Ex ia IIIC T85°C Db
Air Ports	¢3mm	Supply Spercifications for Coil of C7	
Flow rate	29.1L/M, CV=0.03 (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.	-20℃～60℃ (optional: -40℃～60℃)	C max : in	0
Weather Proof	IP67	L max : in	0

Wiring connection instructions	Wiring with barrier
As shown above, the coil C7 must be connected individually to an approved safety barrier. Placed in safe zone, these safety barriers can be used to supply ATEX pilot coil C7 installed in a hazardous zone. The electrical connection between the safety barrier(or interface) and the pilot coil C7 can be made using ordinary wires or cables.The inductance of the connecting line between the safety barrier and the pilot coil C7 must be less than 0.5mH.	CI or C7 coil in hazardous area Safety barrier or interface
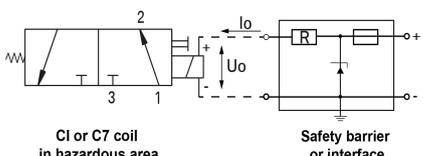
DIMENSION AND DRAWING	Wiring Operating
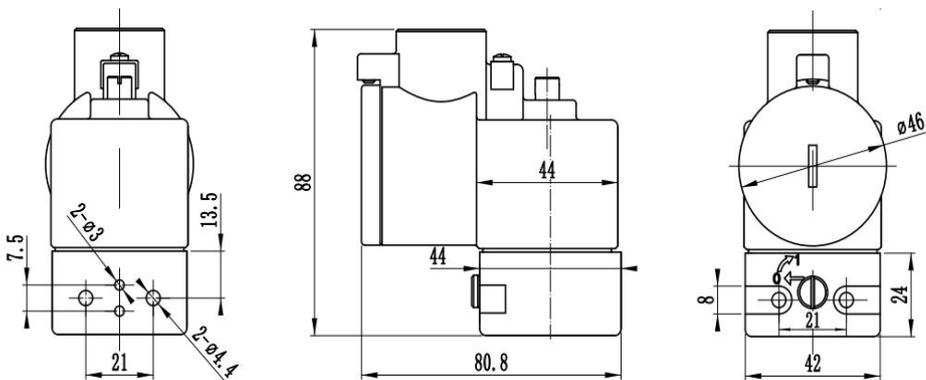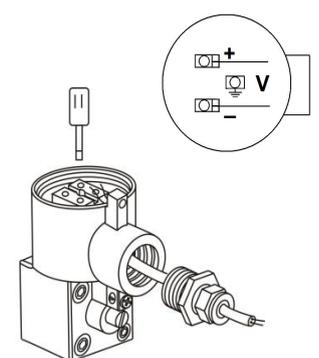
*For continuous improvement of the product, we reserve the right to alter the dimensions, technical data in this data sheet.