Data Sheet — Product ID ALV110L1Q1C7-710U3

PRODUCT NAME

Multi-Function Pilot Acting Solenoid Valve of Intrinsically safe

DESCRIPTION OF THE PRODUCT

The multi-function flameproof solenoid valves of aluminum is available with both Namur connection and In-line connection and also is easily switched between 3/2 and 5/2 for the same valve body. The flow rate of the valve is relatively large, and the air port is BSPP1/4" or NPT1/4". Armed with aluminum enclosure coil, this solenoid valve is excellent for being used in corrosive and hazardous area(Class I Zone 0 AEx ia IIC T6 Ga)

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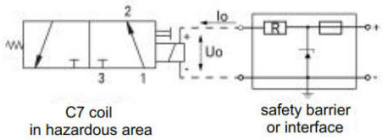
ATEX IEC IECEx CE **IP67**

BODY TECHNICAL DATA

Body	Extruded aluminum + anodized coated
Seal	Buna N
Fasteners	Stainless steel
Function	5/2 or 3/2NC, Pilot acting, Monostable
Flow rate(Orifice)	CV =1.1 (19.63mm²)
Air Ports	G1/4" or NPT
Manual Override	on the body
Mounting	Namur mounting & In-line
Working pressure	2～8 bar
Working Medium	less than 40μm filtered and dried air
Working Temp.	-40℃～60℃
Environment.	Indoor and Outdoor
Wiring direction	Front wiring
Wiring with barrier	

Coil Specification: ALV110L1Q1C7

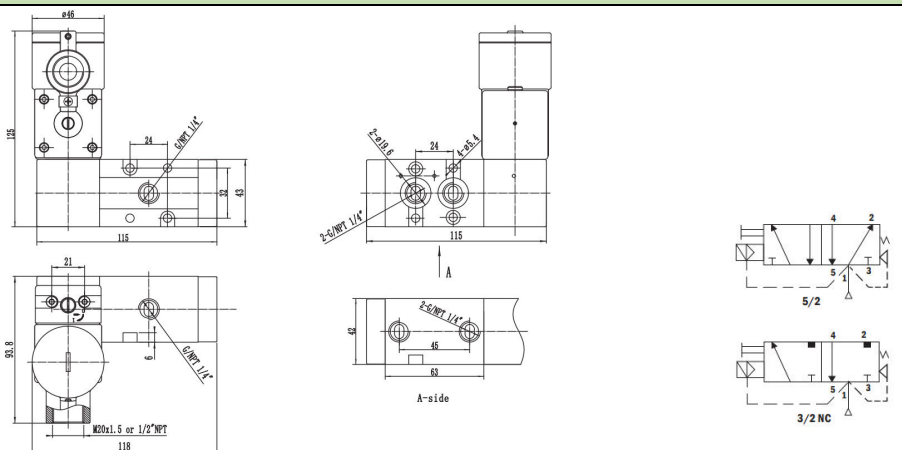
Coil Enclosure	Die-casting aluminum+Epoxy coated
Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
Operating Voltage	12 ~ 24VDC (Switching Current = 38mA at 12 VDC)
Insulation Protection	H class
Insulated voltage	1000V
Duty factor	100% ED
Area Classification	Ex ia IIC T6 Ga,Ex ia IIIC T85℃ Db

Supply Specifications for Coil of C7

Parameter	ATEX	IECEx
Ui	26V	26V
Ii	142mA	146mA
Pi	923mW	949mW
Ci	0μF	0μF
Li	0μF	0μF

As shown above, the coil C7 must be connected individually to an approved safety barrier. Placed insafe 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 (orinterface) 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.

Wiring connection instructions



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

Data Sheet — Product ID ALV110L1Q1C7-710U3s

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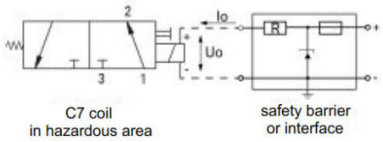
Working Medium	less than 40μm filtered and dried air
Working Temp.	-40℃～60℃
Environment.	Indoor and Outdoor
Wiring direction	Side wiring (optional front wiriing)
Wiring with barrier	

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Coil Enclosure	Die-casting aluminum+Epoxy coated
Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
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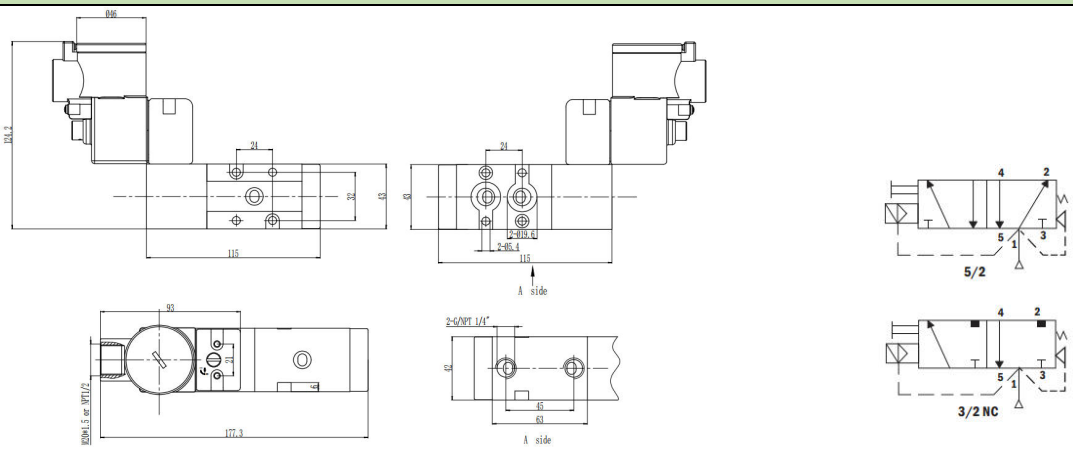

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