

Product ID ALV310P1-PC7(110P1C7)


PRODUCT NAME	MODEL NO.
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Intrinsical Safe Solenoid Valve	ALV310P1-PC7(110P1C7)
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DESCRIPTION OF THE PRODUCT	
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ALV310P1-PC7(ALV110P1C7) series pilot action Intrinsical safe solenoid valve is composed of Intrinsical safe direct acting solenoid valve module and 310P1 series pneumatic valve module. Low starting voltage, convenient wiring, good intrinsical safe performance, good valve body flow rate and good low temperature performance are the main advantages of this kind of solenoid valve.

APPROVED BY	Coil Specification (C7)
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	Coil Enclosure	Die-casting aluminum + Epoxy coated
	Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
	Operating Voltage	12~24VDC

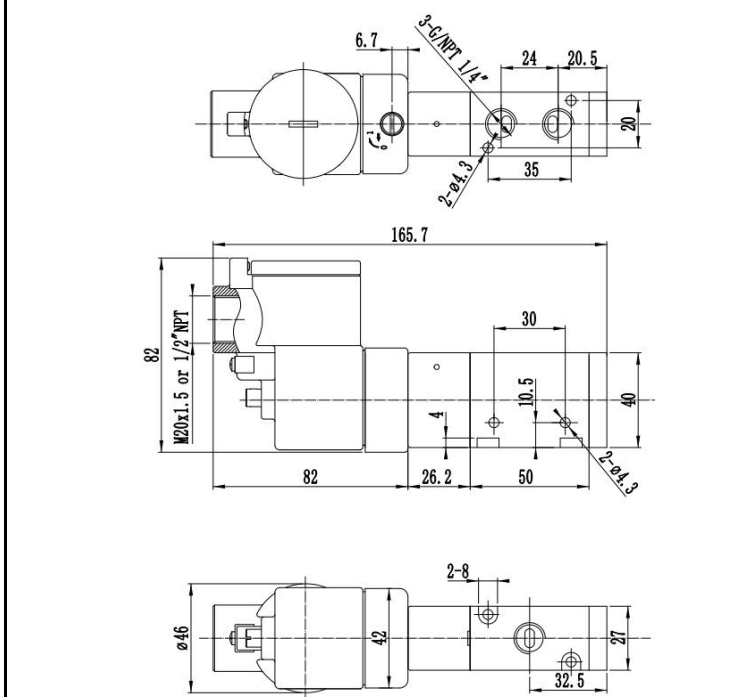
BODY TECHNICAL DATA	Electric current	34~67mA (0.41~1.6W)
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Spool valve/Body	Extruded aluminum + anodized coated	Insulation Protection	H Class
Seal	Buna N	Insulated voltage	1000V
Fasteners	Stainless steel	Duty factor	100% ED
Function	3/2NC, Monostable	Area Classification	(Class 1 Zone 0 AEx ia IIC T6 Ga)
Manual Override	on the body		

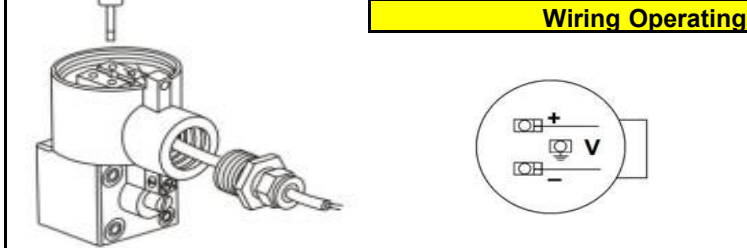
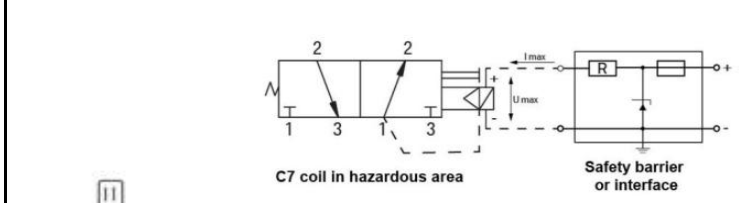
Supply Specifications for Coil of C7	
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Air Ports	1/4" BSPP or NPT	U max : in	30VDC
Flow rate	CV =1.4 (25mm ²)	I max : in	650mA
Mounting	In-Line	W max : in	2980mW
Working Medium	≤ 40μm filtered and dried air (0~8 bar)	C max : in	0
Working Temp.	-20℃~60℃	L max : in	0
Weather Proof	IP67		

DIMENSION AND DRAWING	Wiring connection instructions
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As shown below, 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.



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