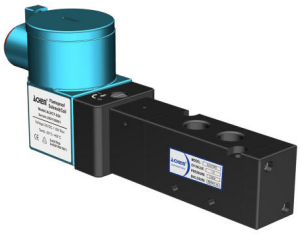
Product ID ALV310P2-PC7(110P1C7)

PRODUCT NAME	MODEL NO.
Intrinsical Safe Solenoid Valve	ALV310P2-PC7(110P1C7)

DESCRIPTION OF THE PRODUCT

ALV310P2-PC7(ALV110P1C7) series pilot action Intrinsical safe solenoid valve is composed of Intrinsical safe direct acting solenoid valve module and 310P2 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

IP67

BODY TECHNICAL DATA

Spool valve/Body	Extruded aluminum + anodized coated
Seal	Buna N
Fasteners	Stainless steel
Function	5/2, Monostable
Manual Override	on the body
Air Ports	1/4" BSPP or NPT
Flow rate	CV =1.4 (25mm^2)
Mounting	In-Line
Working Medium	≤ 40μm filtered and dried air (0～8 bar)
Working Temp.	-20℃～60℃
Weather Proof	IP67

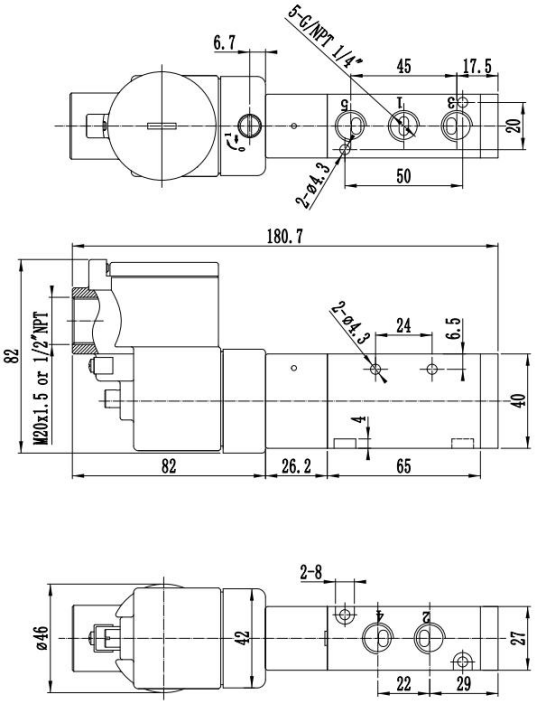
Coil Specification (C7)

Coil Enclosure	Die-casting aluminum + Epoxy coated
Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
Operating Voltage	12~24VDC
Electric current	34~67mA (0.41~1.6W)
Insulation Protection	H Class
Insulated voltage	1000V
Duty factor	100% ED
Area Classification	(Class 1 Zone 0 AEx ia IIC T6 Ga)

Supply Specifications for Coil of C7

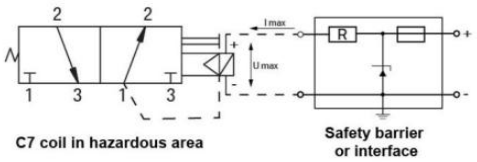
U max : in	30VDC
I max : in	650mA
W max : in	2980mW
C max : in	0
L max : in	0

DIMENSION AND DRAWING

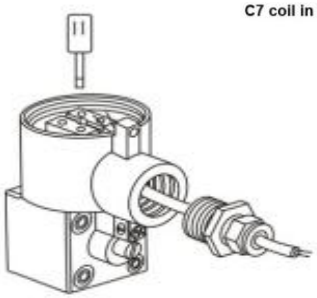


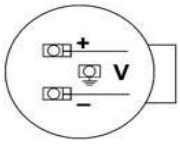
Wiring connection instructions

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.



Wiring Operating





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

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