

PRODUCT NAME**Direct Acting Intrinsic Safe Solenoid Valve****DESCRIPTION OF THE PRODUCT**

ALV110L1F1C7 series direct action Intrinsic safe solenoid valve can be used in hazardous area (Class 1 Zone 0) which has low starting voltage, sensitive action, low power consumption and low temperature working performance. this kind of direct action valve can not only directly control the pneumatic actuator, but also can be directly installed and connected with a variety of pneumatic valves to form a high-performance pilot solenoid valve.

**APPROVED BY****IP67****BODY TECHNICAL DATA**

Body	Extruded aluminum + anodized coated
Seal	Buna N
Fasteners	Stainless steel
Function	3/2 direct acting, spring return, NC,
Manual Override	on the body
Air Ports	G1/4" (optional NPT)
Flow rate	29.1L/M, CV=0.03 (0.8mm)
Mounting	Namur interface
Working Medium	≤ 40μm filtered and dried air (0~8 bar)
Working Temp.	-40℃~60℃
Weather Proof	IP67

Coil Specification (C7)

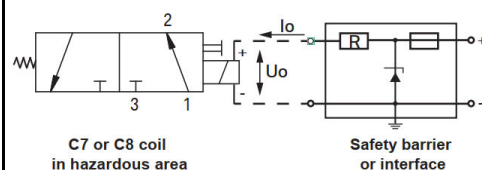
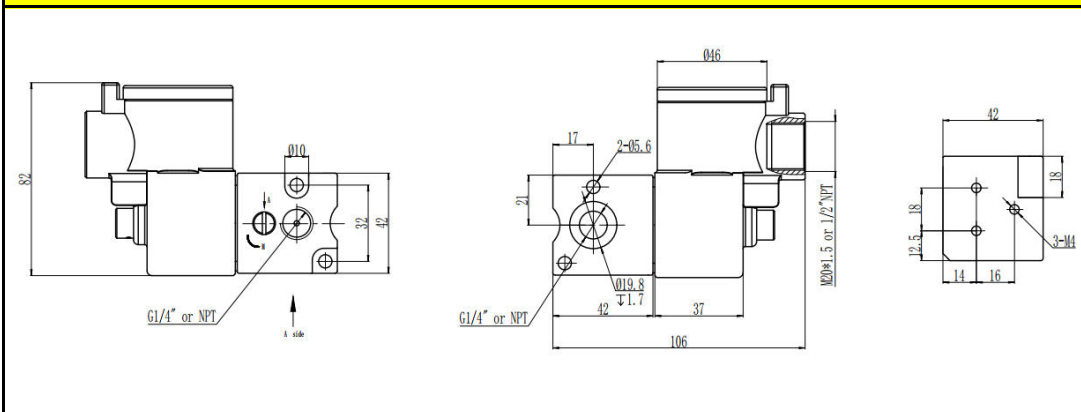
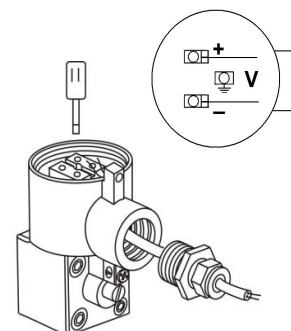
Coil Enclosure	Die-casting aluminum + Epoxy coated
Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
Operating Voltage	12~24VDC±10% (Switching Current = 38mA±10% at 12VDC)
Insulation Protection	H Class
Insulated voltage	1000V
Duty factor	100% ED
Area Classification	Ex ia IIC T6 Ga, Ex ia IIIC T85℃ Db

Supply Specifications for Coil of C7

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

Wiring connection instructions

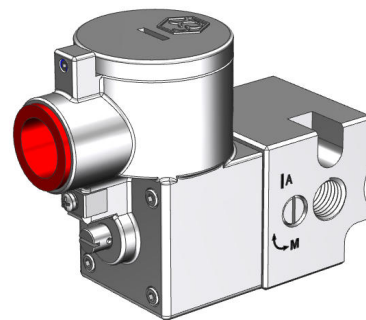
As shown above, the coil C7 must be connected individually to an approved safety barrier. Placed in safe zone, these safety barriers can be used to supply ATEX pilot coil C7 installed in a hazardous zone. The electrical connection between the safety barrier(or interface) and the pilot coil C7 can be 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.

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.

PRODUCT NAME**Direct Acting Intrinsic Safe Solenoid Valve****DESCRIPTION OF THE PRODUCT**

ALV210L1F1C8 series direct action Intrinsic safe solenoid valve can be used in hazardous area (Class 1 Zone 0) which has low starting voltage, sensitive action, low power consumption and low temperature working performance. this kind of direct action valve can not only directly control the pneumatic actuator, but also can be directly installed and connected with a variety of pneumatic valves to form a high-performance pilot solenoid valve.

**APPROVED BY****IP67****BODY TECHNICAL DATA**

Body	Stainless steel 316
Seal	Buna N
Fasteners	Stainless steel
Function	3/2 direct acting, spring return, NC,
Manual Override	on the body
Air Ports	G1/4" (optional NPT)
Flow rate	29.1L/M, CV=0.03 (0.8mm)
Mounting	Namur interface
Working Medium	≤ 40μm filtered and dried air (0~8 bar)
Working Temp.	-40℃~60℃
Weather Proof	IP67

Coil Specification (C8)

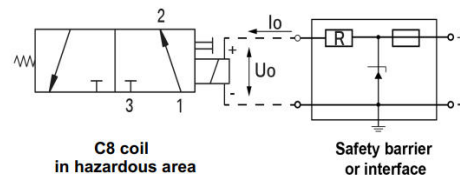
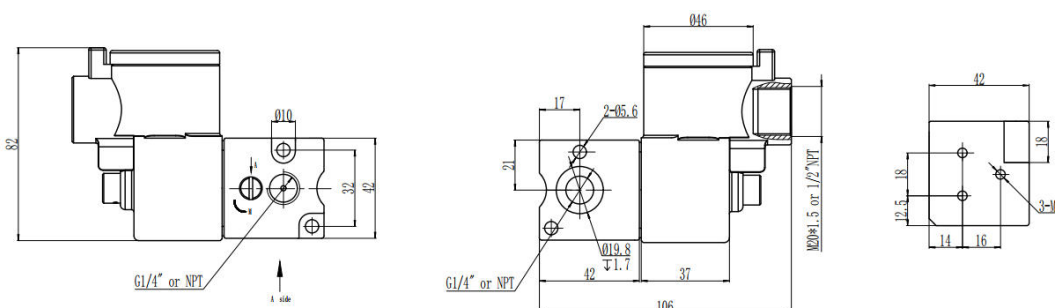
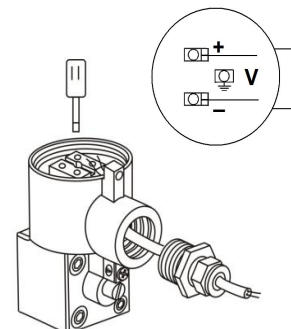
Coil Enclosure	Stainless steel 316
Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
Operating Voltage	12~24VDC±10% (Switching Current = 38mA±10% at 12VDC)
Insulation Protection	H Class
Insulated voltage	1000V
Duty factor	100% ED
Area Classification	Ex ia IIC T6 Ga, Ex ia IIIC T85℃ Db

Supply Specifications for Coil of C8

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

Wiring connection instructions

As shown above, the coil C8 must be connected individually to an approved safety barrier. Placed in safe zone, these safety barriers can be used to supply ATEX pilot coil C8 installed in a hazardous zone. The electrical connection between the safety barrier(or interface) and the pilot coil C8 can be made using ordinary wires or cables. The inductance of the connecting line between the safety barrier and the pilot coil C8 must be less than 0.5mH.

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.