

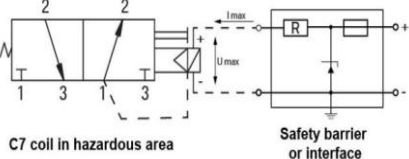
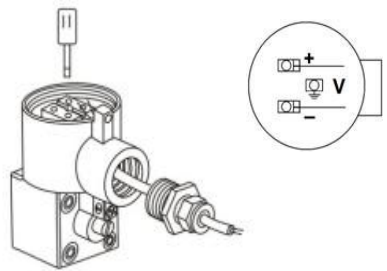
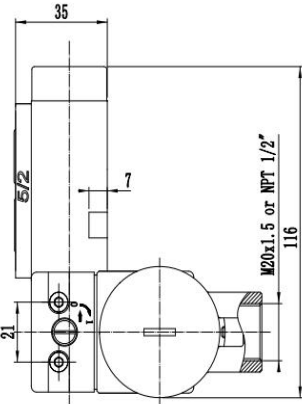
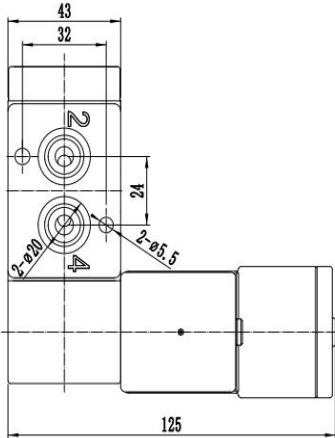
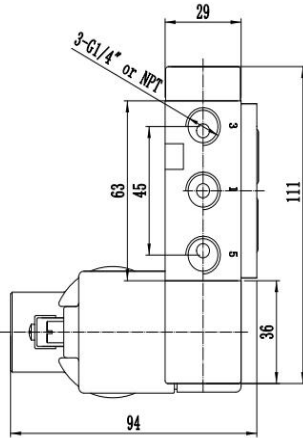
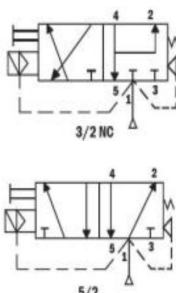


PRODUCT NAME	MODEL NO. ALV510F3-QC7
Intrinsic Safe Solenoid Valve	
DESCRIPTION OF THE PRODUCT	
<p>ALV510F3-QC7 series pilot action Intrinsic safe solenoid valve is composed of Intrinsic safe direct acting solenoid valve module and 510F3 series pneumatic valve module. Low starting voltage, convenient wiring, good intrinsic safe performance and good valve body flow rate are the main advantages of this kind of solenoid valve. In addition, armed with the namur adapter plates, this solenoid valve can easily realize the conversion of 3/2 and 5/2 functions.</p>	

APPROVED BY		Coil Specification: QC7 (ALV110Q1C7)	
	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°C 13.5~24VDC (0.31~1.0W) at -40~60°C
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	5/2 or 3/2NC, Monostable	Area Classification	Ex ia IIC T6 Ga, Ex ia IIIC T85°C Db
Manual Override	on the body	Supply Specifications for Coil of C7	
Air Ports	G1/4" or NPT	U max : in	30VDC
Flow rate	CV =1.1 (19.63mm ²)	I max : in	650mA
Mounting	Namur Face (24×32)	W max : in	2980mW
Working Medium	≤ 40µm filtered and dried air	C max : in	0
Working Temp.	-20°C~60°C (optional: -40°C~60°C)	L max : in	0
Weather Proof	IP67		

Wiring connection instructions	Wiring Operating
<p>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 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.</p> 	

DRAWING AND MOUNTING	
	
	

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