



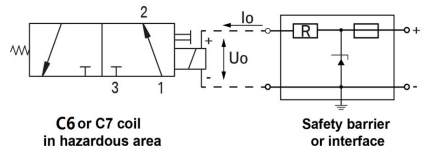
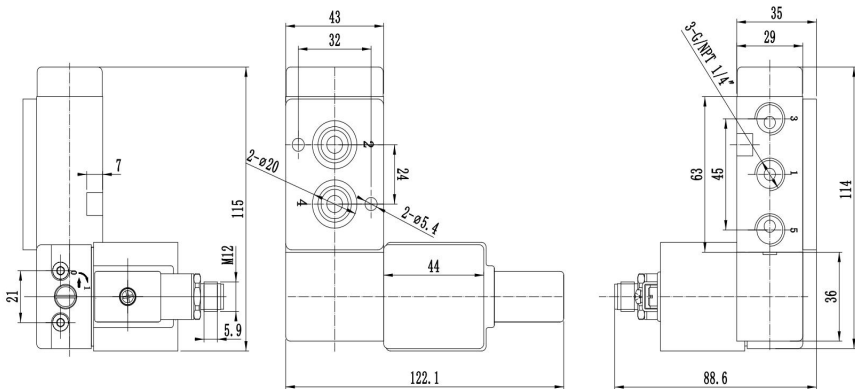
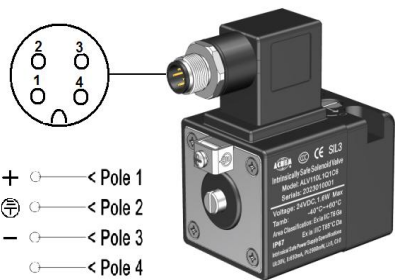


PRODUCT NAME		MODEL NO. ALV510F3-QC6S	
Pilot acting Intrinsical Safe Solenoid Valve			
DESCRIPTION OF THE PRODUCT			
Based on NAMUR standard, the NAMUR valve can be adapted for 3/2 NC or 5/2 functions. Armed with Ex ia IIC T6 Ga thermoplastic enclosure coil, this intrinsical safe Namur solenoid valve is available for the operation of double acting and spring return pneumatic devices located in corrosive and hazardous (Class 1 Zone 0) atmospheres.			
APPROVED BY		Coil Specification: QC6S (ALV110Q1C6S)	
   <b>IP67</b>		Coil Enclosure	Thermoplastic
		Cable connection	M12×1-5 Socket (4 Pole)
BODY TECHNICAL DATA		Operating Voltage & Electric current	13.0~24VDC, 22~42mA at -20℃~60℃ 13.3~24VDC, 22~67mA at -40℃~60℃
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 and 3/2NC, Monostable	Area Classification	Ex ia IIC T6 Ga, Ex ia IIIC T85℃ Db
Manual Override	Manual screw on the body	Supply Specifications for Coil of C6	
Air Ports	G1/4" or NPT	U max : in	30VDC
Flow rate	CV =1.1 (19.63mm <sup>2</sup> )	I max : in	650mA
Mounting	24×32 Namur	W max : in	2980mW
Working Medium	≤ 40μm filtered and dried air	C max : in	0
Working Temp.	-20℃~60℃ (optional: -40℃~60℃)	L max : in	0
Weather Proof	IP67		
Wiring connection instructions		Wiring with barrier	
The electrical connection between the safety barrier placed in safe zone and the C6 series intrinsical safe solenoid valve installed in a hazardous zone can be made using the flying leads cable (cable length 1 m and other lengths on request). Note that the solenoid valve has positive and negative wiring requirements, the red line is positive, the blue line is negative, and the green and white double color line is grounding. Refer to the bottom-right figure please.		 <p>C6 or C7 coil in hazardous area</p> <p>Safety barrier or interface</p>	
DIMENSION AND DRAWING		  <p>         + ○ &lt; Pole 1          - ○ &lt; Pole 2          - ○ &lt; Pole 3          - ○ &lt; Pole 4</p>	

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