Allied Data Sheet*

Product ID ALV710U3s-QC6S

PRODUCT NAME

MODEL NO.ALV710U3s-QC6S

Multi-function Intrinsical solenoid valves of Aluminum

DESCRIPTION OF THE PRODUCT

The multi-function flameproof solenoid valves of aluminum is available with both Namur connection and In-line connection and also is easily switched between 3/2 and 5/2 for the same valve body. The flow rate of the valve is relatively large, and the air port can be selected between 1/4 and 1/2. Armed with thermoplastic enclosure coil, this solenoid valve is excellent for being used in hazardous area (Ex ia IIC T6 Ga).

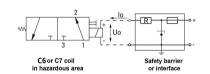


APPROVED BY		Coil Specification: QC6S (ALV110Q1C6S)	
ATEX	IP67	Coil Enclosure	Thermoplastic
		Cable connection	M12×1-5 Socket (4 Pole)
BODY TECHNICAL DATA		Operating Voltage &	13.0~24VDC, 22~42mA at -20℃~60℃
Body	Extruded Aluminum + anodized coated	Electric current	13.3~24VDC, 22~67mA at -40℃~60℃
Seal	Buna N	Insulation Protection	H Class
Fasteners	Stainless steel	Insulated voltage	1000V
Function	5/2 and 3/2NC,Pilot acting,Monostable	Duty factor	100% ED
Manual Override	Manual screw on the body	Area Classification	Ex ia IIC T6 Ga, Ex ia IIIC T85℃ Db
Air Ports	G1/4" or NPT (optional 1/2") Supply Spercifications for Coil of C6		
Flow rate	CV =1.7 (30mm²)	U max : in	30VDC
Mounting	Namur mounting & In-line	I max : in	650mA
Working Medium	≤ 40µm filtered and dried air	W max : in	2980mW
Working Temp.	-20°C ~60°C (optional: -40°C ~60°C)	C max : in	0
Wiring direction	Side wiring	L max : in	0

Wiring connection instructions

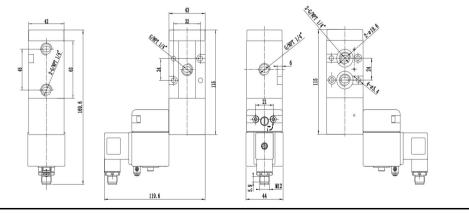
The electrical connection between the safety barrier placed in safe zone and the C6

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.



Wiring with barrier

DIMENSION AND DRAWING





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

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