Allied Data Sheet Product ID ALV510F3s-C			
PRODUCT NAME		MODEL NO.ALV510F3s-QC7	
Intrinsical Safe Solenoid Valve			
DESCRIPTION O	F THE PRODUCT		
	series pilot action Intrinsical safe solenoid		
-	of Intrinsical safe direct acting solenoid		
	510F3 series pneumatic valve module. ge, convenient wiring, good intrinsical safe		
performance and	good valve body flow rate are the main		
advantages of this kind of solenoid valve. In addition, armed		5-2 5-2	
with the namur adapter plates, this solenoid valve can easily realize the conversion of 3/2 and 5/2 functions.			
APPROVED BY		Coil Specification: QC7 (ALV110Q1C7)	
		Coil Enclosure	Die-casting aluminum + Epoxy coated
ATEX		Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
BODY TECHNICA	DDY TECHNICAL DATA		12.5~24VDC(0.25~1.0W) at -20∼60℃
Spool valve/Body	Extruded aluminum + anodized coated	Operating Voltage	13.5~24VDC (0.31~1.0W) at -40∼60°C
Seal	Buna N	Insulation Protection	H Class
Fasteners	Stainless steel	Insulated voltage	1000V
Function	5/2 or 3/2NC, Monostable	Duty factor	100% ED
Manual Override	on the body	Area Classification	Ex ia IIC T6 Ga, Ex ia IIIC T85°C Db
Air Ports	G1/4" or NPT	Supply Specification	ns for Coil of C7
Flow rate	CV =1.1 (19.63mm ²)	U max : in	30VDC
Mounting	Namur Face (24×32)	l max : in	650mA
Working Medium	≤ 40µm filtered and dried air	W max : in	2980mW
Working Temp.	-20℃~60℃ (optional: -40℃~60℃)	C max : in	0
Weather Proof	IP67	L max : in	0
Wiring connectio	n instructions		Wiring Operating
barrier. Placed in s	he coil C7 must be connected individually t safe zone, these safety barriers can be use ed in a hazardous zone. The electrical con	ed to supply ATEX	
safety barrier(or in C7 can be made u	terface) and the pilot c ^{··} ₂ ₂ Ising ordinary wires or	<u>Imas</u> ++	
	ance of the connecting $\begin{bmatrix} 1 \\ 1 \end{bmatrix}$		
line between the safety barrier and the 1 3 1 3 1 3 1 • - • • • • • • • • - • - • - • - • - • - •			
or interface			
DRAWING AND MOUNTING			
		42	$ \begin{array}{c} $
*For continuous improvement of the product, we reserve the right to alter the dimensions, technical data in this data sheet.			
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