

MAXSEAL PRODUCT DATA SHEET



Part Number	Y013PA1H1BS			Model	IC03S Exd	
Description	IC03S Exd 12BAR 3/2 P.B.M.R 1/4NPT N/N 24VDC M20					
Certification	T6 (Tamb = -55 C TO + 50 C) & T4 (Max ambient + 90) OR EQUIPMENT MUST BE USED WITHIN 'T' CLASS TEMP RANGES SHOWN					
FM Certification	FM-3038295	Class I, Division 1, Groups B, C and D				
ATEX Certification	SIRA 05ATEX1156	Ex II 2 GD				
IECEX Certification	IECEX SIR 05.0029					
Safety Integrity Level	SIL 3 OR SIL 4 (SIL 4 IN A REDUNDANT CONFIGURATION ONLY)					
Ingress Protection	IP66/X8			NEMA	NEMA 4X	
Pressure Min/Max	0-12 BAR	Port Size	1/4 INCH	Process Connections	NPT	
Number of Ports	3/2 UNIVERSAL					
Operation	PUSH BUTTON MANUAL RESET					
Seat Material	NITRILE			Seal Material	NITRILE	
Body / Trim Material	316L STAINLESS STEEL / 316L STAINLESS STEEL					
Conduit / Signal Conns	M20 x 1.5mm ISO (F)			Pilot Pressure		
Voltage (Nominal)	24V DC			Pull-in Voltage	>=87.5% OF NOMINAL	
Response Times (Typ)	Pull-in	< 80MS	Drop Out	< 60MS	Drop-Out Voltage	10 - 20% OF NOMINAL
Coil Rating	190 ohms			Power Consumption	3.0 watts	
Voltage Protection	SURGE SUPPRESSION DIODES FITTED AS STD			Coil Encapsulation	CLASS H	
Media	CUSTOMER TO SPECIFY AND CONFIRM COMPATIBILITY			Coil Duty Cycle	100%	
Media Temp Min/Max	-55/90 °C	Ambient Temp Min/Max		MUST BE USED WITHIN 'T' CLASS TEMP RANGES SHOWN		
Flow Rates	0.6 C _v (USgpm for 1 psi Δp)			8.7 K _v (l/min for 1 bar Δp)		
Paint Finish	316LSS COIL HOUSING - UNPAINTED			Weight	2.0 Kg	
Options	NONE					
Leak Performance	BUBBLE TIGHT AT -50 DEG C. <30cc/m AT -55 DEG C.					
Recommended Spares	Y013P0102BS	Soft Spares		Y013PO1H000-SS	Spare Coil	
Build Requirements	1 X SHIM - MOLYCOTE 55M GREASE					
Comments	PBMR WILL ALSO WORK AS PBMO					
CONTACT DETAILS	Thompson Valves Ltd 17 Balena Close Creekmoor Poole Dorset BH17 7EF ENGLAND email : sales@thompson-valves.com Tel : 0044 (0)1202 647820 Fax : 0044 (0)1202 647302					