



Type		Vacuum switches and vacu-pressure switches with setting scale			Pressure switches with setting scale				
Size		- 1 bar	- 0,2 bar	5 bar	0,05 bar	0,35 bar	1 bar	2,5 bar	4 bar
Conformity		Directive ATEX 2014/34/UE, EN/IEC 60079-0, EN/IEC 60079-31			Directive ATEX 2014/34/UE, EN/IEC 60079-0, EN/IEC 60079-31				
Zone D (dust)		21 - 22			21 - 22				
Marking		Ex tb III C T85°C Db IP66			Ex tb III C T85°C Db IP66				
Fluid connection		1/4" BSP female			1/4" BSP female				
Electrical connection		Screw terminals, 1 entry fitted with ISO M20 cable gland			Screw terminals, 1 entry fitted with ISO M20 cable gland				
Temperature range		– 20...+ 60°C			– 20...+ 60°C				
Degree of protection		IP66			IP66				
Rated operational characteristics (conforming to EN/IEC 60947-5-1)		AC15; B300 (Ue= 240 V, Ie= 1,5 A; Ue= 120 V, Ie= 3 A)/DC13; R300 (Ue= 250 V, Ie= 0,1 A)			AC15; B300 (Ue= 240 V, Ie= 1,5 A; Ue= 120 V, Ie= 3 A)/DC13; R300 (Ue= 250 V, Ie= 0,1 A)				
Short-circuit protection		By 10 A cartridge fuse type gG (gl)			By 10 A cartridge fuse type gG (gl)				
Setting range of upper limit (PH)		–0,14...–1 bar	–0,02...–0,2 bar	–0,5...5 bar	0,026...0,05 bar	0,045...0,35 bar	0,05...1 bar	0,3...2,5 bar	0,25...4 bar
Body dimensions, W x D x H		55 x 77,5 x 158 mm	150 x 155,5 x 145 mm	113 x 35 x 75 mm	200 x 204 x 145 mm	110 x 110 x 162 mm		55 x 77,5 x 158 mm	55 x 77,5 x 158 mm
Fluids controlled		Oil, water, air, up to +70°C	Oil, air, up to +160°C	Oil, water, air, up to +70°C	Oil, air, up to +160°C			Oil, water, air, up to +70°C	
Possible differential (subtract from PH to give PB) (1)	Min. at low setting	0,13 bar	0,018 bar	0,5 bar	0,0014 bar	0,042 bar	0,04 bar	0,16 bar	0,2 bar
	Min. at high setting	0,13 bar	0,018 bar	0,5 bar	0,004 bar	0,05 bar	0,06 bar	0,21 bar	0,25 bar
	Max. at high setting	0,8 bar	0,18 bar	6 bar	0,04 bar	0,3 bar	0,75 bar	1,75 bar	2,4 bar
1 CO single pole, snap action contact		XMLBM02V2S12EX	XMLBM03R2S12EX	XMLBM05A2S12EX	XMLBL05R2S12EX	XMLBL35R2S12EX	XMLB001R2S12EX	XMLB002A2S12EX	XMLB004A2S12EX

(1) For XMLBM02V2S12EX and XMLBM03R2S12EX vacuum switches add to PB to give PH

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Type		Pressure switches with setting scale			Pressure switches with setting scale			
Size		10 bar	20 bar	35 bar	70 bar	160 bar	300 bar	500 bar
Conformity		Directive ATEX 2014/34/UE, EN/IEC 60079-0, EN/IEC 60079-31			Directive ATEX 2014/34/UE, EN/IEC 60079-0, EN/IEC 60079-31			
Zone D (dust)		21 - 22			21 - 22			
Marking		Ex tb III C T85°C Db IP66			Ex tb III C T85°C Db IP66			
Fluid connection		1/4" BSP female			1/4" BSP female			
Electrical connection		Screw terminal, 1 entry fitted with ISO M20 cable gland			Screw terminals, 1 entry fitted with ISO M20 cable gland			
Temperature range		– 20...+ 60°C			– 20...+ 60°C			
Degree of protection		IP66			IP66			
Rated operational characteristics (conforming to EN/IEC 60947-5-1)		AC15; B300 (Ue= 240 V, Ie= 1,5 A; Ue= 120 V, Ie= 3 A)/DC13; R300 (Ue= 250 V, Ie= 0,1 A)			AC15; B300 (Ue= 240 V, Ie= 1,5 A; Ue= 120 V, Ie= 3 A)/DC13; R300 (Ue= 250 V, Ie= 0,1 A)			
Short-circuit protection		By 10 A cartridge fuse type gG (gl)			By 10 A cartridge fuse type gG (gl)			
Setting range of upper limit (PH)		0,7...10 bar	1,3...20 bar	3,5...35 bar	7...70 bar	10...160 bar	22...300 bar	30...500 bar
Body dimensions, W x D x H		35 x 75 x 113 mm			35 x 75 x 113 mm			
Fluids controlled		Oil, water, air, up to +70°C			Oil, up to +160°C			
Possible differential (subtract from PH to give PB)	Min. at low setting	0,57 bar	1 bar	1,7 bar	4,7 bar	9,3 bar	19,4 bar	23 bar
	Min. at high setting	0,85 bar	1,6 bar	2,55 bar	8,8 bar	20,8 bar	37 bar	52,6 bar
	Max. at high setting	7,5 bar	11 bar	20 bar	50 bar	100 bar	200 bar	300 bar
1 CO single pole, snap action contact		XMLB010A2S12EX	XMLB020A2S12EX	XMLB035A2S12EX	XMLB070D2S12EX	XMLB160D2S12EX	XMLB300D2S12EX	XMLB500D2S12EX

Other characteristics: please refer to the “Detection for OsiSense automation solutions” catalog.