

Polyamide Ex e Glands 4 joule

LYRA



Technical Details			
Material	Body, Cap	PA	
	Seal	CR (Chloroprene Rubber)	
Protection Class	IP 68 - 5 Bar, 30 min		
	IP 66		
Operating Temperature	Seal Material		
	Chloroprene Rubber		
Ex e/tb / Ex tb	-40°C / +80°C		
Ex-i	-40°C / +70°C		
Equipment For	<ul style="list-style-type: none"> Gas & Dust potentially explosive atmospheres. Cable glands should be also used for intrinsically safe circuits Ex-i. These cable glands shall have a light blue colored cap. The symbol "I" will be added beside of the "BM" for order processing. 		
	Suitable for use in	Group II Group III	Gas Group IIC Dust Group IIIC
Equipment Marking	Ex II 2GD Ex e IIC Gb / Ex tb IIIC Db		
Marking Example	BMD BM-X2LC Ex CE 0722 II 2GD Ex e IIC Gb Ex tb IIIC Db IP66/68 Ta-40°C +80°C IMQ 13 ATEX 010X IECEx IMQ 13.0003X		
Type Protection	Ex e ; Ex tb ; Ex i		
Impact Test Result	4J		
Thread Type	<ul style="list-style-type: none"> Metric (M) ISO Pitch 1,5 Npt (N) ANSI ASME B1.20.1 PG (P) DIN 40430 Other thread types also available upon request. 		
	Cable Type	Non Armoured	
Accessories	<ul style="list-style-type: none"> Lock nuts Gaskets Dome Plugs Dust Plugs Double Seals 		

Approvals		
	Certificate Number	Standards
	IMQ 13 ATEX 010X	EN 60079-0:2012 EN 60079-7:2007 EN 60079-31:2014
	IECEx IMQ 13.0003X	IEC 60079-0:2011 Edition:6 IEC 60079-31:2013 Edition:2 IEC 60079-7:2006 Edition: 4
		ISO 4892-2
	№ TC RU C-TR.ГБ05.В.00840	ГОСТ IEC 60079-1:2011 ГОСТ P МЭК 60079-0:2011 ГОСТ P МЭК 60079-7:2012 ГОСТ P МЭК 60079-31:2010 ГОСТ P МЭК 60079-14:2008
	DNV 12.0051 X	ABNT NBR IEC 60079-0:2013, ABNT NBR IEC 60079-7:2008 ABNT NBR IEC 60079-31:2011
	E-14045	IEC/EN60079-0, IEC/EN60079-7, IEC/EN60079-31 IEC/EN 62444

For more information see our webpage.



Order Encoding										
Part Number	•M: Metric •N: NPT •C: PF •P: Pg •G: Gas	for Blue Cap I: Ex-i Ex-i	•X:Standard •SX: Small •MX: Medium •L: Long Thread	•C: Chloroprene Seal	Double Seal	Dome Plug	Dust Plug	-	•GC: Chloroprene •GS: Silicone •GF: Fiber Gasket	Lock nut
	B		M-							

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Tread Type **METRIC** acc. to ISO 965-3

Size	Clamping Range Ø min-max D mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer min. Ø D2 mm	max. Height H mm	Part Number		
				SW Cap mm	SW Body mm					
M20x1,5	5,0 - 10,0	10	20,0	24	22	25,0	29,5	BM-SX2		
	6,0 - 12,0	15			24	27,5	30,0	BM-X2 BM-X2L		
	10,0 - 14,0	10		27	27	31,0	33,0	BM-X3		
		15						BM-X4		
M25x1,5	10,0 - 14,0	10	25,0	27	27	31,0	33,0	BM-SX5		
	11,0 - 17,0	15						29	29	32,5
		10		33	33	37,0	35,0			
	15	BM-X5 BM-X6								
M32x1,5	13,0 - 18,0	10	32,0	36	33	37,0	36,0	BM-SX7		
	15,0 - 21,0							42	42	47,5
	18,0 - 25,0			10	40,0	46	46			
								15	53	53
M40x1,5	19,0 - 28,0	18	40,0	53	53	60,0	50,0	BM-X8		
M50x1,5	30,0 - 38,0	18						60	60	67,5
M63x1,5	34,0 - 44,0	18	63,0	65	65	72,0	54,0	BM-X10		

Thread Type **PG** acc. to DIN 40430

Size	Clamping Range Ø min-max D mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer min. Ø D2 mm	max. Height H mm	Part Number
				SW Cap mm	SW Body mm			
Pg 13,5	6,0 - 12,0	10	20,4	24	24	27,5	42,0	BP-X4
Pg 16	10,0 - 14,0	10	22,5	27	27	31,0	46,5	BP-X5
Pg 21	13,0 - 18,0	11	28,3	33	33	37,0	47,0	BP-X6
Pg 29	18,0 - 25,0	11	37,0	42	42	47,5	52,0	BP-X7
Pg 36	22,0 - 32,0	13	47,0	53	53	60,0	58,5	BP-X8
Pg 42	30,0 - 38,0	13	54,0	60	60	67,5	68,0	BP-X9
Pg 48	34,0 - 44,0	14	59,3	65	65	72,0	69,0	BP-X10

Thread Type **NPT** acc. to ANSI B1.20.1

Size	Clamping Range Ø min-max D mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer min. Ø D2 mm	max. Height H mm	Part Number
				SW Cap mm	SW Body mm			
NPT1/2"	5,0 - 10,0	15	21,34	24	22	25,0	45,0	BN-SX2
	6,0 - 12,0				24	27,5		BN-X2
	10,0 - 14,0				27	31,0		47,0
NPT3/4"	13,0 - 18,0	15	26,67	33	33	37,0	50,0	BN-X3
NPT1"	18,0 - 25,0	18	33,40	42	42	47,5	58,0	BN-X4
NPT1 1/4"	22,0 - 32,0	18	42,20	53	53	59,5	68,0	BN-X8
NPT1 1/2"	30,0 - 38,0	18	48,30	60	60	66,5	72,0	BN-X9
NPT2"	34,0 - 44,0	18	60,30	65	65	72,0	72,0	BN-X10