EXPLOSION PROOF SAFETY SWITCHES

Explosion Proof Non Contact Safet



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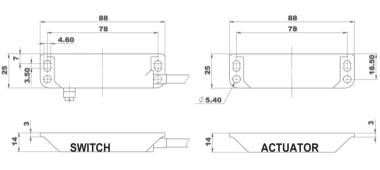
LM-Ex **STAINLESS STEEL 316**



(Ex) II 2G Ex mb IIC T6 Gb



Zones 1, 21, 2, 22 Gas and Dust





SALES NUMBER	TYPE ZONES 1,21,2,22	BODY HOUSING	CABLE LENGTH 6mm OD	CIRCUITS	ELECTRICAL RATING NORMALLY CLOSED CIRCUITS (Actuator Present) RED/BLUE NC1 WHITE/BLACK NC2	ELECTRICAL RATING NORMALLY OPEN CIRCUITS (Actuator Present) ORANGE/BROWN NO
904101	LM-Ex	S/Steel	5M	2NC 1NO	230Vac/24Vdc 0.6A Max.	230Vac/24Vdc
904102	LM-Ex	S/Steel	10M	2NC 1NO	INTERNALLY FUSED	200mA. Max.

^{*}Product is fully encapsulated which is considered to provide ingress protection to at least IP67.









SUMMARY SPECIFICATION AND SELECTION GUIDE:

SWITCH TYPE	HOUSING MATERIAL	PART NUMBER SERIES	MAXIMUM CURRENT	ZONES
WM1-Ex	Stainless Steel 316 and fitted with Stainless Steel Flexible Conduit	9001	0.6A	Zone 0 Gas Zone 20 Dust (An area where Gas and Dust are continuously present)
WM2-Ex	Stainless Steel 316	9002	2.0A	
CM1-Ex	Stainless Steel 316	901	2.0A	Zone 1 Gas Zone 21 Dust Zone 2 Gas Zone 22 Dust (An area where Gas and Dust is likely to occur in use)
CM2-Ex	Stainless Steel 316	902	1.0A / 0.6A	
CM3-Ex	Stainless Steel 316	903	0.6A	
LM-Ex	Stainless Steel 316	904	0.6A	
RM-Ex	Stainless Steel 316	905	0.6A	

TECHNICAL AND SAFETY SPECIFICATIONS:

Standards: IEC/EN60079-0 IEC/EN60079-18

ISO14119 EN60947-5-3 EN60204-1

ISO13849-1 EN62061

Safety Classification and Reliability Data: Mechanical Reliability B10d

3.3 x 10⁶ operations at 100mA load EN954-1 Up to Category 4 with Safety Relay

ISO13849-1 Up to PLe depending upon system architecture EN62061 Up to SIL3 depending upon system architecture Safety Data – Annual Usage PFHd 8 cycles per hour/24 hours per day/365 days 2.52 x 10⁻⁸

Proof Test Interval (Life) 47 years 470 years

Contact Release Time <2ms <500 milliohm Initial Contact Resistance Minimum Switched Current 10Vdc 1mA

Insulation Resistance Recommended Setting Gap Switching Distance (Target to Time) Approach Speed Temperature Range Enclosure Protection Shock Resistance Vibration Resistance **Body Material** Cable Type Mounting Position Approval Body

100 Mohms 5mm Sao 10mm Close 22mm Open Sar 200mm/m to 1000mm/s -20/+80 (or +60C for 2A version) IP67 IEC 68-2-27 11ms IEC 68-2-6 10-55Hz 1mm Stainless Steel 316 6mm OD Any BASEEFA UK