

Explosion Proof Non Contact Safety Interlock Switches

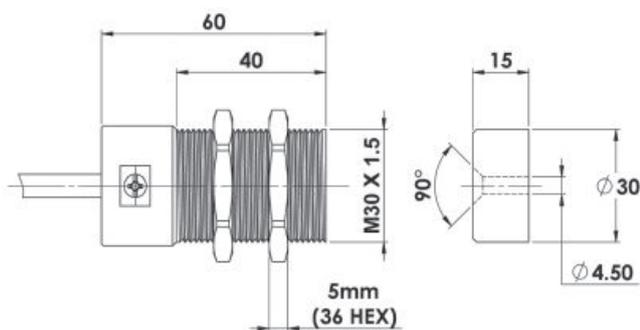


RM-Ex STAINLESS STEEL 316 M30 x 1.5mm threaded body

II 2G Ex mb IIC T6 Gb

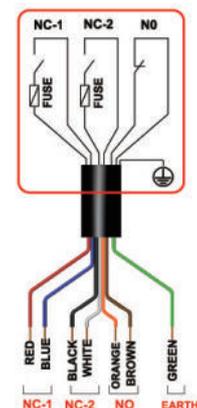
II 2D Ex mb IIIC T80 Db IP67*

Zones 1, 21, 2, 22 Gas and Dust



SWITCH

ACTUATOR



SALES NUMBER	TYPE ZONES 1,21,2,22	BODY HOUSING	CABLE LENGTH 6mm OD	CIRCUITS	ELECTRICAL RATING	
					NORMALLY CLOSED CIRCUITS (Actuator Present)	NORMALLY OPEN CIRCUITS (Actuator Present)
905101	RM-Ex	S/Steel	5M	2NC 1NO	RED/BLUE NC1 WHITE/BLACK NC2	230Vac/24Vdc 0.6A Max.
905102	RM-Ex	S/Steel	10M	2NC 1NO	INTERNALLY FUSED	230Vac/24Vdc 200mA. Max.

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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	Zone 1 Gas Zone 21 Dust Zone 2 Gas Zone 22 Dust (An area where Gas and Dust is likely to occur in use)
CM1-Ex	Stainless Steel 316	901.....	2.0A	
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
ISO13849-1
Safety Data – Annual Usage
8 cycles per hour/24 hours per day/365 days
MTTFd 470 years
Contact Release Time <2ms
Initial Contact Resistance <500 milliohm
Minimum Switched Current 10Vdc 1mA
Insulation Resistance 100 Mohms
Recommended Setting Gap 5mm

Switching Distance Sao 10mm Close
(Target to Time) Sar 22mm Open
Approach Speed 200mm/m to 1000mm/s
Temperature Range -20/+80 (or +60C for 2A version)
Enclosure Protection IP67
Shock Resistance IEC 68-2-27 11ms 30g
Vibration Resistance IEC 68-2-6 10-55Hz 1mm
Body Material Stainless Steel 316
Cable Type 6mm OD
Mounting Position Any
Approval Body BASEEFA UK

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