

# Explosion Proof Non Contact Safety Interlock Switches



**II 2G Ex mb IIC T6 Gb**

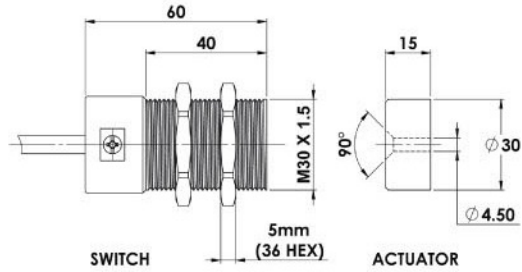
**II 2D Ex mb IIIC T80 Db IP67\***

**Zones 1, 21, 2, 22 Gas and Dust**

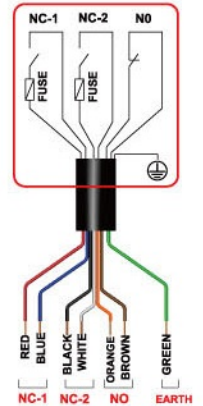


**RM-Ex**

**Stainless Steel 316 M30 x 1.5mm threaded body**



Sales Number	Type Zones 1,2,21,22	Body Housing	Cable Length 6mm O/D	Circuits	Electrical Rating Normally Closed Circuits (Actuator present) Red/Blue NC White/Black NC	Electrical Rating Normally Open Circuit (Actuator present) Orange/Brown NO
905101	RM-Ex	S / Steel	5M	2NC 1NO	230V.ac / 24Vdc 0.6A. Max.	230V.ac / 24Vdc 200mA. Max.
905102	RM-Ex	S / Steel	10M	2NC 1NO	Internally fused	



## Technical and Safety Specification :

Standards	IEC/EN 60079-0 IEC/EN 60079-18 EN1088 IEC 947-5-3 EN 60204-1 ISO 13849-1 EN62061 EN 954-1 UL508
Safety Classification and Reliability Data:	
Mechanical Reliability B10d	3.3 x 10 <sup>6</sup> operations at 100mA load
EN 954-1	up to Category 4 with Safety Relay
ISO 13849-1	up to PLe depending upon system architecture
EN 62061	up to SIL3 depending upon system architecture
Safety Data - Annual Usage	8 cycles per hour / 24 hours per day / 365 days
PFFhd	2.52 x 10 <sup>-8</sup>
Proof Test Interval (Life)	47 years
MTTFd	470 years

Contact release time	<2ms
Initial contact resistance	<500 milliohm
Minimum switched current	10V. dc 1mA
Insulation Resistance	100 Mohms
Recommended setting gap	5mm
Switching Distance:	Sao 10mm Close
(Target to target)	Sar 22mm Open
Approach speed	200mm/m. to 1000mm/s.
Temperature Range	-20 / +80C. (or +60C at 2A)
Enclosure Protection	IP67
Shock Resistance	IEC 68-2-27 11ms 30g
Vibration Resistance	IEC 68-2-6 10-55 Hz 1mm
Body Material	Stainless Steel 316
Cable Type	6mm O.D.
Mounting Position	Any
Approval Body	BASEEFA UK

**\* Product is fully encapsulated which is considered to provide Ingress Protection to at least IP67**