

Explosion Proof Non Contact Safety Interlock Switches

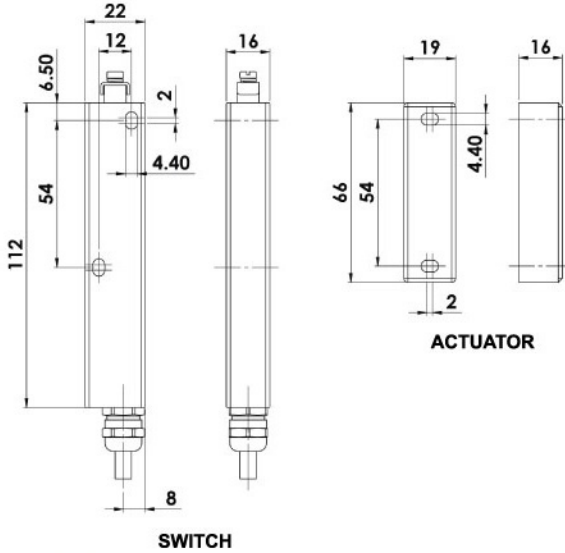


II 2G Ex mb IIC T6 Gb



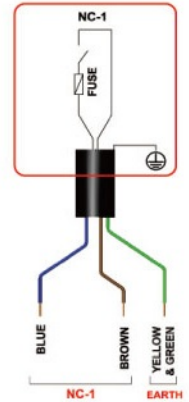
II 2D Ex mb IIIC T80 Db IP67*

Zones 1, 21, 2, 22 Gas and Dust



Stainless Steel 316

CM1-Ex



Sales Number	Type Zones 1,21,2,22	Body Housing	Cable Length 6mm O/D	Circuits	Electrical Rating Normally Closed Circuits (Actuator Present) NC
901101	CM1-Ex	S / Steel	5M	1NC	230V.ac / 24Vdc 2A. Max. Internally Fused
901102	CM1-Ex	S / Steel	10M	1NC	

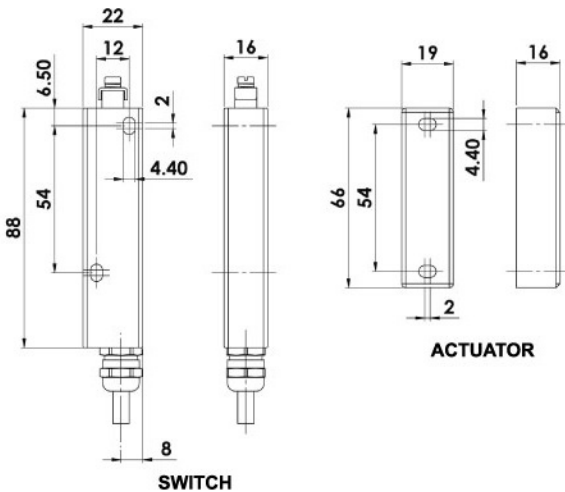


II 2G Ex mb IIC T6 Gb



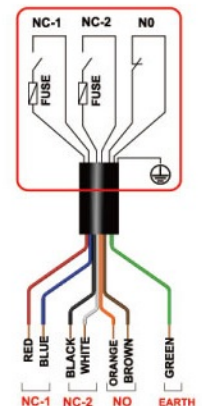
II 2D Ex mb IIIC T80 Db IP67*

Zones 1, 21, 2, 22 Gas and Dust



Stainless Steel 316

CM2-Ex



Sales Number	Type Zones 1,21,2,22	Body Housing	Cable Length 6mm O/D	Circuits	Electrical Rating Normally Closed Circuits (Actuator Present) NC	Electrical Rating Normally Open Circuits (Actuator Present) NO
902103	CM2-Ex	S / Steel	5M	1NC	230V.ac / 24Vdc 1A. Max. Internally Fused	
902104	CM2-Ex	S / Steel	10M	1NC		
902105	CM2-Ex	S / Steel	5M	2NC 1NO	230V.ac / 24Vdc 0.6A. Max. Internally Fused	230V.ac / 24Vdc 200mA. Max.
902106	CM2-Ex	S / Steel	10M	2NC 1NO		

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

Explosion Proof Non Contact Safety Interlock Switches



II 2G Ex mb IIC T6 Gb



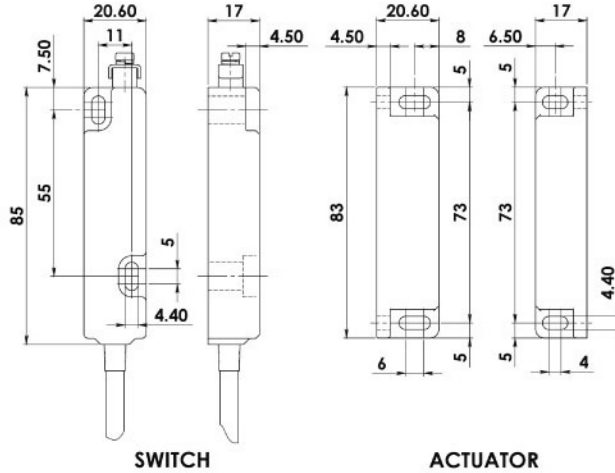
II 2D Ex mb IIIC T80 Db IP67*

Zones 1, 21, 2, 22 Gas and Dust

Stainless Steel 316



CM3-Ex



Sales Number	Type Zones 1,21,2,22	Body Housing	Cable Length 6mm O/D	Circuits	Electrical Rating Normally Closed Circuits (Actuator Present) NC	Electrical Rating Normally Open Circuits (Actuator Present) NO
903101	CM3-Ex	S / Steel	5M	2NC 1NO	230V.ac / 24Vdc 0.6A. Max. Internally Fused	230V.ac / 24Vdc 200mA. Max.
903102	CM3-Ex	S / Steel	10M	2NC 1NO		

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 ⁶ 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
PFHd	2.52 x 10 ⁻⁸
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

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