

Explosion Proof Non Contact Safety Interlock Switches



Stainless Steel 316 Housing



Zones 0,20,1,21,2,22 Gas and Dust



II IG Ex ma IIC T6 Ga

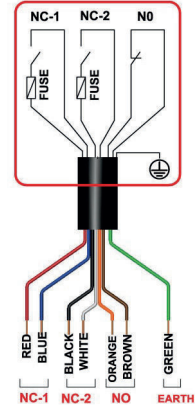
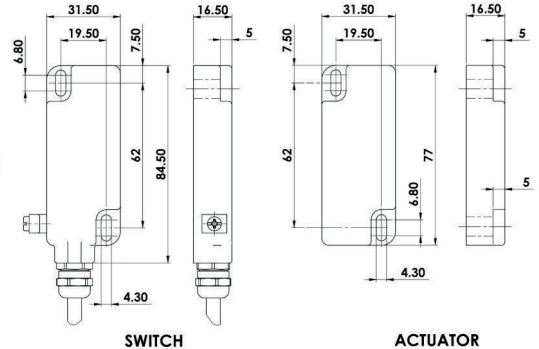


II ID Ex ma IIC T80 Da IP67*

WM1-Ex

Supplied fitted with Stainless Steel Flexible conduit

Sales Number	Type Zones 0, 20	Body Housing	Cable / Conduit Length 10mm O/D	Circuits	Electrical Rating Normally Closed Circuits (Actuator present) Red/Blue NC1 White/Black NC2	Electrical Rating Normally Open Circuit (Actuator present) Orange/Brown NO
900101	WM1-Ex	S / Steel	5M	2NC 1NO	230V.ac / 24Vdc 0.6A. Max. Internally fused	230V.ac / 24Vdc 200mA. Max.
900102	WM1-Ex	S / Steel	10M	2NC 1NO		



Zones 1, 21, 2, 22 Gas and Dust



II 2D Ex mb IIC T80 Db IP67*

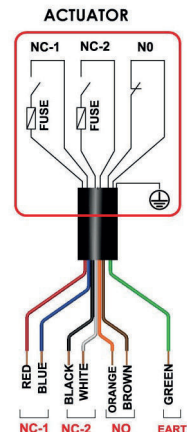
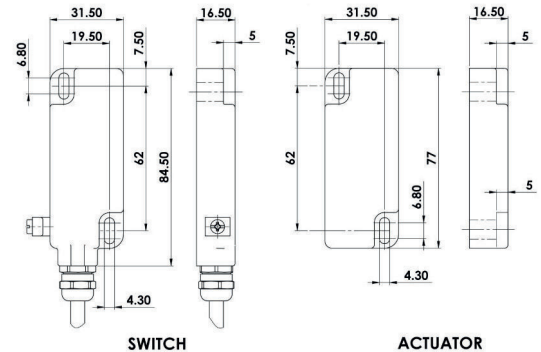


II 2G Ex mb IIC T6 Gb

Stainless Steel 316



WM2-Ex



Sales Number	Type Zones 1,21,2,22	Body Housing	Cable Length 6mm O/D	Circuits	Electrical Rating Normally Closed Circuits (Actuator present) Red/Blue NC1 White/Black NC2	Electrical Rating Normally Open Circuit (Actuator present) Orange/Brown NO
900201	WM2-Ex	S / Steel	5M	2NC 1NO	230V.ac / 24Vdc 2A. Max. Internally fused	230V.ac / 24Vdc 200mA. Max.
900202	WM2-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 10⁶ 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 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**