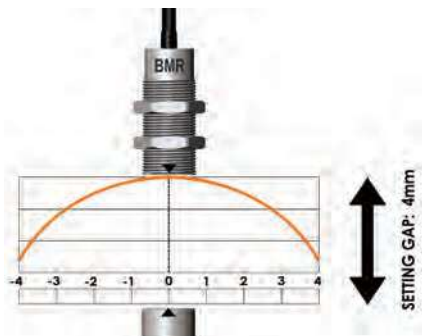


Magnetically Operated: BMR M18 (HYGIEMAG)

FEATURES:

M18 cylindrical fitting suitable for all industry applications.
Easy to install - M18 threaded body - easy to set.
Typical switching distance 8mm.
Suitable for harsh environments of Food Processing and Packaging.
Up to: PLe ISO13849-1.
2NC 1NO circuits.
Quick Connect versions available.

SETTING GAP:



Stainless Steel 316 Housing.

Magnetic Actuation.

Typical Switching Distance 8mm.

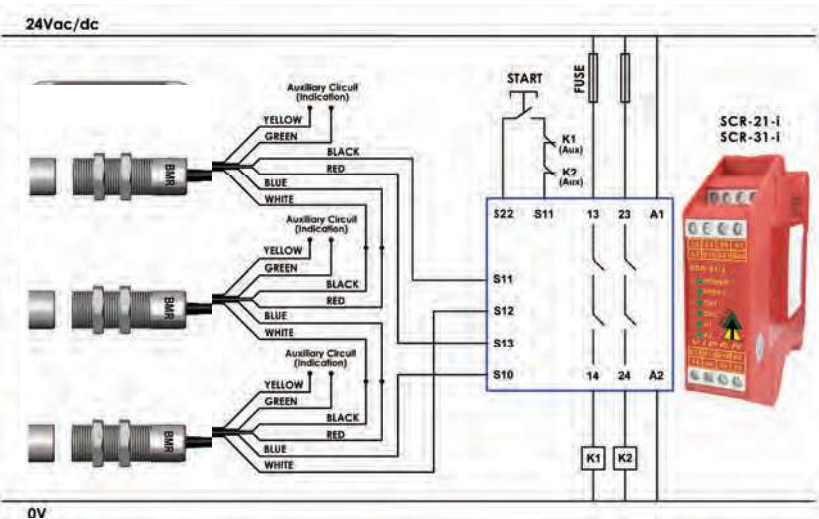
Will operate with most Safety Relays.

Quick Connect versions available.

IP69K



CONNECTION EXAMPLE: Magnetic Switches



Three switches connected in series to an SCR-2 or SCR-3 to give Dual Channel guard monitoring with Automatic Start and Contactor Feedback Check.

Standards: ISO14119 EN60947-5-3
EN60204-1 ISO13849-1 EN62061 UL508

Safety Classification and

Reliability Data:

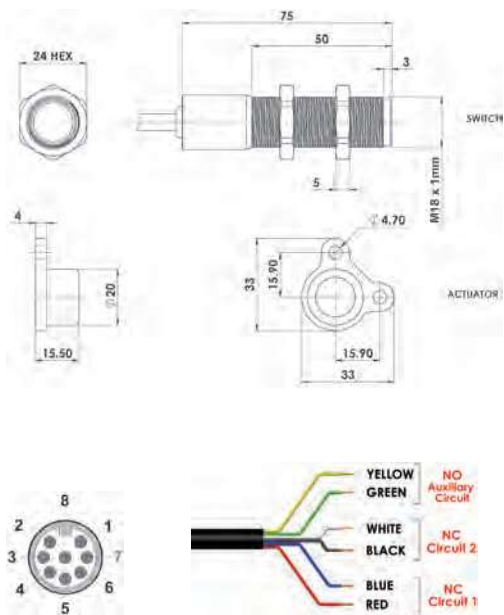
Mechanical Reliability B10d 3.3 x 10⁶ operations at 100mA load
ISO13849-1 Up to PLe depending upon system architecture
Safety Data – Annual Usage 8 cycles per hour/24 hours per day/365 days
MTTFd 470 years

Technical Specification:

Safety Channel 1 NC Voltage Free: 250Vac 0.5A Max. Rating
Safety Channel 2 NC Voltage Free: 250Vac 0.5A Max. Rating
Safety Channel 3 NO Voltage Free: 24Vdc 0.2A Max. Rating
Minimum Switched Current 10Vdc 1mA
Dielectric Withstand 250Vac
Insulation Resistance 100 Mohms
Recommended Setting Gap 5mm
Switching Distance Sao 5mm Close
(Target to Target) Sar 20mm Open
Tolerance to Misalignment 4mm in any direction from 4mm setting gap
Switching Frequency 1.0Hz maximum
Approach Speed 200mm/min to 1000mm/sec
Body Material Stainless Steel 316
Operating Temperature -25C +105C (CIP SIP cleaning)
Enclosure Protection IP69K (QC versions IP67 for connector)
Shock Resistance IEC68-2-27 11ms 30g
Vibration Resistance IEC68-2-6 10-55Hz 1mm
Cable Type PVC 6 core 6mm OD Conductors 0.25mm²
Mounting Position Any

For all IDEM switches the normally closed (NC) circuits are closed when the guard is closed and the actuator is present.

DIMENSIONS:



Quick Connect QC M12 8 Way Male Plug Pin view from Switch	Standard Lead Colour	Circuit (Actuator Present)
4	Yellow	NO
6	Green	NO
7	Black	NC2
1	White	NC2
2	Red	NC1
3	Blue	NC1

SALES NUMBER	TYPE	CABLE LENGTH	CIRCUITS
416009	Hygiemag BMR S/Steel 316	2M	2NC
416010	Hygiemag BMR S/Steel 316	5M	2NC
416011	Hygiemag BMR S/Steel 316	10M	2NC
416012	Hygiemag BMR S/Steel 316	QC-M12	2NC
416013	Hygiemag BMR S/Steel 316	2M	2NC 1NO
416014	Hygiemag BMR S/Steel 316	5M	2NC 1NO
416015	Hygiemag BMR S/Steel 316	10M	2NC 1NO
416016	Hygiemag BMR S/Steel 316	QC-M12	2NC 1NO



140101	Female QC Lead	M12 Female 5m. 8 way
140102	Female QC Lead	M12 Female 10m. 8 way