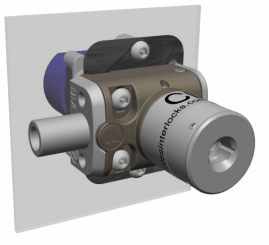
Power and Control Isolation » Bolt Interlock with Switch BMR BMSR
Key Exchange
Door Locks and Actuators

switch approval



Bolt Interlock with Switch

This device is used to interlock circuit breakers, valves, earth switches etc. It additionally provides electrical indication of the bolt position

- No product handing issues
- 16mm diameter bolt with 16mm of travel (custom bolt lengths available)
- Standard operation: Key free, bolt shot (other sequences available)
- Special switch ratings and/or contact arrangements available on request

These products may not be used as an access lock.

Safety Data		
Standards	EN60947-3:2009 ISO EN14119:2013 EN13849-1:2008 EN13849-2:2012 EN62061:2005	
Certifications	CE marked for all applicable directives	
Category	Cat. 4, PLe (EN/ISO 13849-1) and SIL3 (EN/IEC 62061)	
Functional safety data	B10d	5,000,000
	DC	High 99% (with correct monitoring)

mGard range

mGard is the ultimate range of robust mechanical trapped key products. Trapped key technology offers purely mechanical access locks (removing the need for expensive wiring). mGard offers an extensive variety of modular interlocking solutions. Suitable for use in applications up to SIL3 (EN/IEC 62061),Category 4 and PLe (EN/ISO 13849-1), mGard is ideal for use in harsh environments and is tested to 1,000,000 operations.

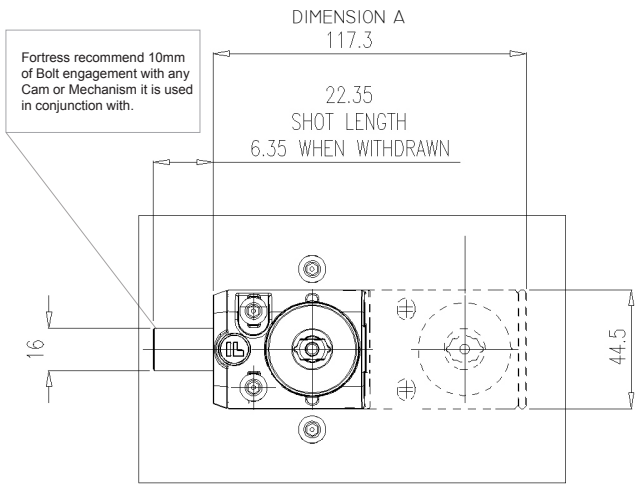
Technical Specification

Housing Materials Body BMR	Die-cast zinc body with pearl bronze plated finish
Housing Materials Body BMSR	Full stainless steel to S316
Bolt	Full stainless steel to S316
Internals	Full stainless steel
Max Side Load	10KN (Depending on fixings used)
Lock Mechanism BMR	Die-cast zinc body with stainless operating mechanism (selected separately)
Lock Mechanism BMSR	Full stainless steel to S316 (selected separately)
Key	Stainless steel to 316 (purchased separately)
Minimum Operating Current	5mA at 20v

Article Codes

Nº of Locks	Part Nº
1 » 10	BMR1 » BMR10
Nº of Locks (Full Stainless Steel)	**Part Nº**
1 » 5	BMSR1 » BMSR5
Lock Type	
Key and lock types must be specified seperatly	
Switch Current	**Part Nº**
20A	020
32A	032
63A	063
Switch Contacts	**Part Nº**
4NO/0NC	40
2NO/2NC	22
Bolt Lengths (Minimum Projection)	**Part Nº**
6.35mm	-
50mm	50
150mm	150

Dimensional Drawing



Product	Dimension A Overall length	Dimension B Nº of slotted holes	Dimension C Nº of CL locks
BM(S)R1	60.15	2	1
BM(S)R2	117.30	4	2
BM(S)R3	174.45	6	3
BM(S)R4	231.60	8	4
BM(S)R5	288.75	10	5
BMR6	345.90	12	6
BMR7	403.05	14	7
BMR8	460.20	16	8
BMR9	517.35	18	9
BMR10	574.50	20	10

A 3mm gap between the front face of a BMR/BMSR and any galvanised metal work is recommended to reduce the likeliness of a galvanic reaction occuring.