Dual Channel Interlock Switch

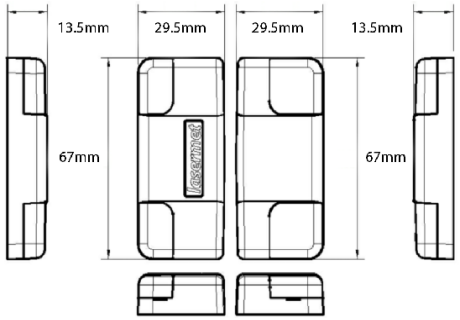
Part no. IS-MDC-12

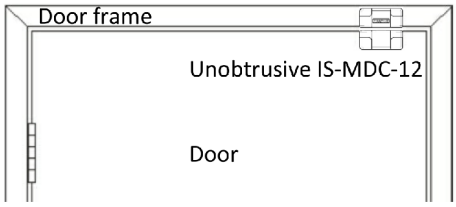
The Lasermet IS-MDC-12 is a dual channel coded magnetic door safety contact, which is used to detect when a door or other moveable cover forming part of a protective enclosure is open.

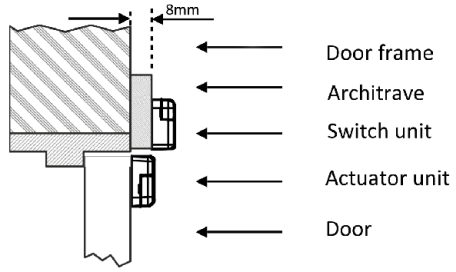
The IS-MDC-12 has three contacts, two of which are closed and one of which is open when the door is closed. All three contacts change over when the door is open.

Benefits

- Dual channel or single channel use
- Small - good looking and sleek design, blends in with professional standard laboratories and hi-tech premises
- High performance and high reliability. The IS-MDC-12 can achieve Performance Level 'e' as specified in BS EN 13849-1:2015 when correctly wired to a suitable interlock controller such as Lasermet's ICS-6 ELISe
- "Coded" design - The magnetic field is arranged such that the switch cannot easily be defeated by a single magnet
- Measuring just 67mm wide, 29.5mm tall and 13.5mm deep, the dual channel interlock switch has a compact footprint
- Designed and manufactured by Lasermet (having over 25 years' experience in laser safety design, manufacture and installation.)
- High tolerance to offset alignment
- Concealed rear, or top, cable entry
- Conforms to CE requirements







High tolerance to offset alignment. Up to 8mm difference between the door and the door frame/architrave can be tolerated as shown here

Specifications

Part no.	IS-MDC-12
Contacts	2NC / 1NO
Rating	300mA Resistive Load 50V
Channels	2, Dual-channel
Magnet Coupling	Coded
Maximum Range	10mm, typical
Safety Performance	Up to EN 13849-1:2015 PL 'e'
Operating Environment	-5° to +45°C, 0-95% RH
IP Rating	IP50
Switch Size	67 x 29.5 x 13.5mm
Actuator Size	67 x 29.5 x 13.5mm
Lead Length	2m approx.
Combined Weight	85g approx.
Conforms to	EN ISO 14119:2013 Safety of Machinery Interlocking Devices associated with Guards

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Lasermet Ltd
137 Hankinson Road
Bournemouth BH9 1HR
Tel: +44 (0) 1202 770740
office@lasermet.com www.lasermet.com

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Only for optical testing to:
BS EN 60825-1
BS EN 60825-12
BS EN 60601-2-22