



## IDEM - NON-CONTACT SAFETY SWITCH SMC-F

137001

SMC-F 2M '2NC' with LED



- Stainless steel housing
- Mounting screws from the bottom
- For demanding food applications
- Switching range - 14 mm
- No dedicated controller



### PRODUCT DESCRIPTION

A coded magnetic switch made of stainless steel with a small size and high tolerance, which is ideally suited for applications in the food and pharmaceutical industries. The switch has a standard spacing of fixing holes - 22 mm and is resistant to pressure washing. Mounting screws from the bottom makes the switch ideal for demanding food applications.

### TECHNICAL DATA

|                           |   |
|---------------------------|---|
| Approvals                 | ISO 14119, EN60947-5-1, EN60204-1, ISO 13849-1, EN62061, UL 508 |
| Cable length              | 2 m   |
| Cable type                | PVC 6 or 8 core 6mm OD Conductors 0.25mm <sup>2</sup>           |
| Coding                    | Coded magnetic actuation  |
| Conductor size            | 0,25 mm <sup>2</sup>  |
| Contact rating max        | 24Vdc 0.2A  |
| Contacts                  | 2NC   |
| Housing material          | Stainless steel 316   |
| Integrated LED indication | Yes   |
| IP class                  | IP69K, IP67   |

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>Mounting</b>                 | 2 x M4                        |
| <b>MTTFd</b>                    | 866 years                     |
| <b>Operating temperature</b>    | -25..105°C                    |
| <b>PFHd</b>                     | $8.71 \times 10^{-11}$        |
| <b>PL</b>                       | e acc. ISO13849-1             |
| <b>Recommended mounting gap</b> | 5 mm                          |
| <b>SIL</b>                      | 3 acc. EN62061                |
| <b>Switching current min</b>    | 10Vdc 1mA                     |
| <b>Switching distance</b>       | Sao 10mm close, Sar 20mm open |
| <b>Switching frequency max</b>  | 1.0Hz maximum                 |

