

# Datasheet

050FI01

Interlock limit switch, 1 N.C.



## Features

|                       |                                |
|-----------------------|--------------------------------|
| <b>Range</b>          | Limit switches and cables      |
| <b>components</b>     | Limit switches                 |
| <b>Code</b>           | 050FI01                        |
| <b>Description</b>    | Interlock limit switch, 1 N.C. |
| <b>Colour</b>         | Rosso                          |
| <b>Weight - gr</b>    | 57.0                           |
| <b>Customs Tariff</b> | 8536500700                     |
| <b>GTIN</b>           | 8052878048983                  |

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| <b>Approvals</b>                       | CE, UL, CSA   |
| <b>Compliance with standards</b>       | IEC-EN60947-1, IEC-EN60947-5-1, UL508, CSA C22-2                    |
| <b>Operating temperatures</b>          | -25° ÷ +65°C  |
| <b>Protection degree</b>               | IP20 (IEC-EN60529)  |
| <b>Mechanical durability</b>           | 3.000.000 Operations  |
| <b>Housing material</b>                | PA Polyamide  |
| <b>Terminal screw</b>                  | Tightening torque 0.8÷1 Nm (IEC-EN60947-1)                          |
| <b>Terminal screw head shape</b>       | Combined:cross Phillips2 or slotted flat D.5mm max                  |
| <b>Terminal screw material</b>         | Zinc plated steel   |
| <b>Terminal screw connections</b>      | min 1x0.5mm <sup>2</sup> (20AWG) - max 2x2.5mm <sup>2</sup> (14AWG) |
| <b>Cable lugs</b>                      | Fork type "spring spade" for screw M3.5 / W=6.4mm                   |
| <b>Contact material</b>                | Ag 1000/1000  |
| <b>Contact movement</b>                | Slow action contact   |
| <b>Contacts</b>                        | Self cleaning by pads creeping                                      |
| <b>Actuation speed</b>                 | Min. 5mm/s - Max 20mm/s   |
| <b>NC contacts (all versions)</b>      | Positive opening function (IEC-EN60947-5-1 ann.K)                   |
| <b>Rated insulation voltage</b>        | Ui 690V - Uimp 4KV (IEC-EN60947-1)                                  |
| <b>Rated thermal current</b>           | Ith 10A (IEC-EN60947-1)   |
| <b>Short-circuit protective device</b> | 10A cartridge fuse gG 10x38mm (IEC-EN60947-5-1)                     |
| <b>Electrical ratings</b>              | AC15-DC13 (IEC-EN60947-5-1) - A600-P300 (UL 508)                    |
| <b>AC Performances</b>                 | AC 24V-10A, 120V-6A, 240V-3A, 600V-1.2A                             |

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|---|---|
| <b>DC Performances</b>                              | DC 24V-5A, 120V-1.1A, 240V-0.55A                |
| <b>Interlock door limit switch</b>                  | 3 working positions                             |
| <b>Contact blocks configuration</b>                 | Max no. 6 contact blocks (3 front + 3 rear)     |
| <b>Contact block screws for overlapped elements</b> | 030V28(1 c.b.) / 030V46(2 c.b.) / 030V64(3 c.b) |
| <b>Warranty period</b>                              | 18 months                                       |

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# Technical drawings

