

## IDEM DIE-CAST SAFETY LIMIT SWITCHES HLM

174104

HLM Pin Plunger M20 '3NC 1NO'



- Heavy duty die-cast bodies (red)
- Positive opening NC safety contact
- High mechanical life over 5,000,000 cycles
- Industry standard mounting
- Large choice of actuator heads



### Product description

IDEM's HLM range of heavy duty Die Cast Safety Limit Switches have been designed to be mounted for position sensing of moving applications e.g. guard doors, conveyors, machine beds and elevators. They are available with an extensive range of actuator heads and can be supplied with either slow break or snap action contacts.

### Operation

Operation of IDEM Safety Limit Switches is achieved by a sliding actuation of the moving object to cause deflection of the switch plungers, rollers or levers.

For safety applications it is important that the moving object does not pass completely over the switch actuators so as to either cause damage to the actuator or allow it to return to its original position.

### Specifications

|                         |   |
|-------------------------|---|
| <b>Actuator</b>         | Pin Plunger   |
| <b>Annual usage</b>     | 8 cycles per hour/24 hours per day/365 days                     |
| <b>Approvals</b>        | ISO 14119, EN60947-5-1, EN60204-1, ISO 13849-1, EN62061, UL 508 |
| <b>Atex approved</b>    | No  |
| <b>Cable entry</b>      | 1 x M20 x1,5  |
| <b>Central Material</b> | Die cast metal  |
| <b>Conduit entry</b>    | M20   |

|                             |  |
|-----------------------------|--|
| Connection Thread           | Screw terminal                               |
| Contacts                    | 3 NC 1 NO                                    |
| IP Class                    | IP67   |
| Material of body            | Metal  |
| Mechanical reliability B10d | 2.5x10 <sup>6</sup> operations at 100mA load |
| MTTFd                       | 356 Years                                    |
| Operating temperature       | -25C +80C                                    |
| PFHd                        | 3.44 x 10 <sup>-8</sup>                      |
| Rated insulation voltage    | 300Vac                                       |
| Thermal current (Ith)       | 10   |

