



## IDEM GLM WIRE SWITCH

143063B

GLM 1/2NPT '3NC 1NO' LED 110V



- Up to 30 m on one switch
- 5 different contact configurations
- 2 - color LED
- Integrated emergency button



### PRODUCT DESCRIPTION

The GLM wire switches in the aluminum alloy housing have been created as a high-quality system for securing short conveyors, with a range of up to 30 m per one switch. Using the two switches, the range increases to 50 m.

The 2-color LED, signaling the operation of the switch, is visible from a large distance. The GLM wire switch has 5 different contact configurations.

### TECHNICAL DATA

|                                  |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------|
| Annual usage                     | 8 cycles per hour/24 hours per day/365 days                                              |
| Approvals                        | EN60947-5-5, ISO 13850, ISO 13849-1, EN62061, EN60947-5-1, UL 508, CE, cULus, TÜV        |
| Conduit entry                    | 3 x 1/2" NPT                                                                             |
| Contact type                     | EN60947-5-1 double break type Zb. Snap action up to 4NC (positive break) 2NO (auxiliary) |
| Contacts                         | 3NC 1NO                                                                                  |
| Fittings                         | LED                                                                                      |
| Housing material                 | Die cast metal                                                                           |
| Integrated emergency stop button | No                                                                                       |
| Integrated LED indication        | Yes                                                                                      |

|                                              |                                                   |
|----------------------------------------------|---------------------------------------------------|
| <b>IP class</b>                              | IP67                                              |
| <b>LED indication</b>                        | Steady green/Flashing red                         |
| <b>LED supply voltage</b>                    | 110Vac                                            |
| <b>Mechanical reliability B10d</b>           | 1.5 x 10 <sup>6</sup> operations at 100mA load    |
| <b>Mounting</b>                              | 4 x M5                                            |
| <b>MTTFd</b>                                 | 214 years                                         |
| <b>Operating temperature</b>                 | -25°C +80°C                                       |
| <b>PFHd</b>                                  | <1.0 x 10 <sup>-7</sup>                           |
| <b>Rope span</b>                             | Up to 50m (2 switches) 30m (1 switch)             |
| <b>Rope tension device</b>                   | IDEM tensioner/gripper (quick fixing)             |
| <b>Rope type</b>                             | 4.00mm outside diameter. Steel inner - PVC sheath |
| <b>Short circuit overload protection</b>     | Fuse externally 10A(FF)                           |
| <b>Tension force (typical mid setting)</b>   | 130 N                                             |
| <b>Termination</b>                           | Clamp up to 2.5mm <sup>2</sup> conductors         |
| <b>Thermal current (Ith)</b>                 | 10 A                                              |
| <b>Typical operating force (rope pulled)</b> | <125N <300mm deflection                           |
| <b>Weight</b>                                | 640 g                                             |

