



# IDEM GLHD-SS WIRE SWITCH IN STAINLESS STEEL

145029A  
GLHD-SS M20 '4NC 2NO' LED 24V

- Up to 200m for one switch
- 4 NC + 2 NO contacts
- 2 - color LED
- Integrated emergency button
- Available in the EX version



## Product description

The GLHD-SS wireline switch in a stainless steel housing was created as a high-quality system for securing long conveyors, with a range of up to 200 m per one switch. It is suitable for long conveyor systems operating in difficult environments. Ideally suited for use in the food processing industry. The 2-color LED, signaling the operation of the switch, is visible from a large distance. The switch, combined with the GLHL-SS and GLHR-SS models, provides a range of up to 250 m per one set.

The GLHD-SS wire switches are equipped with 4 NC contacts and 2 NO contacts.

## Specifications

|                                  |  |
|----------------------------------|--|
| 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, CE, cULus, TÜV, UL 508        |
| Central Material                 | Stainless steel 316  |
| Conduit entry                    | 4 x M20  |
| Contact Type                     | EN60947-5-1 double break type Zb. Snap action up to 4NC (positive break) 2NO (auxiliary) |
| Contacts                         | 4NC 2NO  |
| Fittings                         | LED  |
| Integrated emergency stop button | No   |
| Integrated LED indication        | Yes  |
| IP Class                         | IP69K, IP67  |
| LED Display                      | Steady green/Flashing red  |

|  |   |
|--|---|
| <b>LED supply voltage</b>                    | 24Vdc   |
| <b>Materials Contacts</b>                    | Silver  |
| <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>PL</b>                                    | up to PLe acc. ISO13849-1                         |
| <b>Rope span</b>                             | 250m dual head                                    |
| <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>SIL</b>                                   | up to SIL 3 acc. EN62061                          |
| <b>Tension force (typical mid setting)</b>   | 130   |
| <b>Termination</b>                           | Clamp up to 2.5mm <sup>2</sup> conductors         |
| <b>Thermal current (Ith)</b>                 | 10  |
| <b>Typical operating force (rope pulled)</b> | <125N <300mm deflection                           |
| <b>Weight</b>                                | 2850  |

