



# IDEM ROPE PULL SWITCH GLHL-SS & GLHR-SS STAINLESS STEEL

145055A  
GLHL-SS 1/2NPT '4NC 2NO' LED 24V

- Up to 100 m per switch
- 4 NC contacts + 2 NO contacts
- Dual colour LED
- Integrated emergency stop button
- ATEX Version available



## Product description

The GLHR/L-SS is a robust heavy duty safety rope pull switch and is designed to protect long conveyor lengths up to 125m (2 switches) or up to 100m using a single switch.

The stainless steel 316 housings are designed specifically to withstand the tough environments found in the food and pharmaceutical industries.

They will survive chemical and detergent washdown by providing all stainless steel parts and robust IP67 and IP69K sealing by using integral bellows and gaskets.

They can be used to complement the GLHD-SS (dual head) versions at each end of the rope.

## 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 1/2" NPT   |
| 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  |

|  |   |
|--|---|
| <b>IP Class</b>                              | IP69K, IP67                                       |
| <b>LED Display</b>                           | Steady green/Flashing red                         |
| <b>LED supply voltage</b>                    | 24Vdc   |
| <b>Materials Contacts</b>                    | Silver  |
| <b>Mechanical reliability B10d</b>           | $1.5 \times 10^6$ 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>                                  | $<1.0 \times 10^{-7}$                             |
| <b>PL</b>                                    | up to PLe acc. ISO13849-1                         |
| <b>Rope span</b>                             | 125m  |
| <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>                                | 2475  |



