

## IDEM HEAVY DUTY SAFETY ROPE PULL SWITCH (LEFT HAND) GLHL & (RIGHT HAND) GLHR

141053A  
GLHL M20 '4NC 2NO' LED 24V



- Can be used up to 100m in length using just one switch
- 4NC 2NO contacts to ensure flexibility
- Dual colour LED
- ATEX version available



### PRODUCT DESCRIPTION

The GLHL/R is a robust die-cast Heavy Duty Safety Rope Pull Switch designed to protect long conveyor lengths where protection is required up to 125m using two switches or up to 100m using a single switch. The die-cast housings are robust to survive indoor or outdoor use.

A bi-colour LED ensures switch status can be seen easily from a distance. They have 4NC 2NO contacts to ensure flexibility with all modern control applications and optional Explosion Proof contact blocks are available.

They can be used to complement the GLHD versions at each end of the rope span.

### 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                    | 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  |
| Housing material                 | Die cast metal   |
| Integrated emergency stop button | No   |
| Integrated LED indication        | Yes  |
| IP class                         | IP67   |

|  |   |
|--|---|
| <b>LED indication</b>                        | Steady green/Flashing red                         |
| <b>LED supply voltage</b>                    | 24Vdc   |
| <b>Material 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>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>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>                                | 1030 g  |



