## **OEM Automatic Ltd**

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

145053C-FZ GLHL-SS M20 '4NC 2NO' LED 230V

- Up to 100 m per switch
- 4 NC contacts + 2 NO contacts
- Duel 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.

## **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, CE, cULus, TÜV, UL 508			
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	Stainless steel 316			
Integrated emergency stop button	No			
Integrated LED indication	Yes			

IP class	IP69K, IP67		
LED indication	Steady green/Flashing red		
LED supply voltage	230Vac		
Material contacts	Silver		
Mechanical reliability B10d	1.5 x 10 <sup>6</sup> operations at 100mA load		
Mounting	4 x M5		
MTTFd	214 years		
Operating temperature	-25°C +80°C		
PFHd	<1.0 x 10 <sup>-7</sup>		
PL	up to PLe acc. ISO13849-1		
Rope span	125m		
Rope tension device	IDEM tensioner/gripper (quick fixing)		
Rope type	4.00mm outside diameter. Steel inner - PVC sheath		
Short circuit overload protection	Fuse externally 10A(ff)		
SIL	up to SIL 3 acc. EN62061		
Tension force (typical mid setting)	130 N		
Termination	Clamp up to 2.5mm² conductors		
Thermal current (Ith)	10 A		
Typical operating force (rope pulled)	<125N <300mm deflection		
Weight	2475 g		



