



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

145055B

GLHL-SS ½NPT '4NC 2NO' LED 110V

- 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.

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 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
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	110Vac
Material contacts	Silver
Mechanical reliability B10d	1.5 x 10 ⁶ operations at 100mA load
Mounting	4 x M5
MTTFd	214 years
Operating temperature	-25°C +80°C
PFHd	<1.0 x 10 ⁻⁷
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 2.5mm ² conductors
Thermal current (Ith)	10 A
Typical operating force (rope pulled)	<125N <300mm deflection
Weight	2475 g



