

# Guardian Line Heavy Duty - Type GLHL GLHR

Protection up to 125 meters



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.

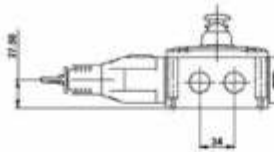
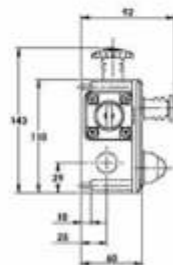
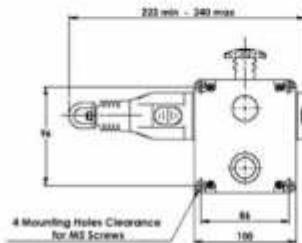
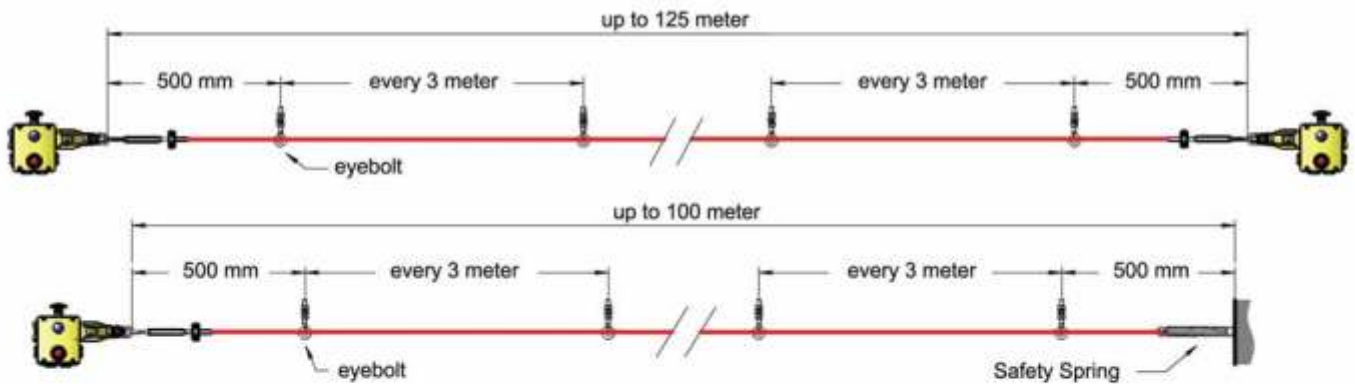
A bi-colour LED ensures switch status can be seen easily from a distance. They have 4NC 2NO contacts to ensure flexibility with all modern control applications and optional Explosion Proof contact blocks are available.

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



GLHL Left Hand

GLHR Right Hand



All Dimensions in mm



Pre-wired Ex-Explosion Proof

- Standards: IEC 947-5-1 IEC947-5-5 EN 418  
UL508 BS 5304
- Approvals: cULus TÜV
- Enclosure / Cover: Die-Cast - Painted Yellow
- External Parts: Stainless Steel
- IP Rating: IP67
- Rope Spans: 125m.
- Rope Tension device: IDEM Tensioner / Gripper - Quick Fixing
- Rope Type: 4.0 mm Outside Dia. Steel inner - PVC sheath
- Mounting: 4 x M5
- Mounting position: Any
- Conduit entries: 4 x M20 or 4 x 1/2" NPT by part number
- Torque settings: Mounting M5 4.0 Nm  
Lid T20 Torx M4 1.5 Nm  
Terminals 1.0 Nm
- Ambient Temperature: -25C. 80 C.
- Vibration resistance: 10-500Hz 0.35mm
- Shock resistance: 15g 11ms
- Tension Force (typical mid setting): 130N.
- Typical Operating Force (Rope pulled): < 125N. < 300mm Deflection
- Mechanical Life: 1,000,000 operations
- Weight: 1320 g.
- Contact type: IEC 947-5-1 Double break Type Zb  
Snap Action up to 4NC (positive break)  
2NO (Auxiliary)
- Contact Material: Silver
- Termination: Clamp up to 2.5 sq. mm conductors
- Rating: Utilisation Category: AC15 A300
- Operational Rating: 240V. 3A.
- Thermal Current (Ith): 10A.
- Rated Insulation Voltage (Ui): 500V.
- Withstand Voltage (Uimp): 2500V.
- Short Circuit Overload Protection: Fuse Externally 10A. (FF)
- Explosion Proof Contact Block: Optional  
Classification: EEx d IIC T6  
PTB 00 ATEX 1093X IBExU 01 ATEX 1007X
- Contact Arrangement: 1 N/C 1 N/O or 2NC or 3NC 1NO or 2NC 2NO
- Rated Voltage: 250V a.c.
- Rated Current: 4A a.c.

Sales Number	Type	Conduit	Contacts	Fittings
141005	GLHL	4 x M20	4NC 2NO	LED E Stop
141006	GLHL	4 x 1/2" NPT	4NC 2NO	LED E Stop
141007	GLHLEx	3m. 4 core Ex	1NC 1NO	E Stop
141015	GLHLEx	3m. 4 core Ex	3NC 1NO	E Stop
141019	GLHLEx	3m. 4 core Ex	2NC	E Stop
141020	GLHLEx	3m. 4 core Ex	2NC 2NO	E Stop
141009	GLHR	4 x M20	4NC 2NO	LED E Stop
141010	GLHR	4 x 1/2" NPT	4NC 2NO	LED E Stop
141011	GLHREx	3m. 4 core Ex	1NC 1NO	E Stop
141016	GLHREx	3m. 4 core Ex	3NC 1NO	E Stop
141021	GLHREx	3m. 4 core Ex	2NC	E Stop
141022	GLHREx	3m. 4 core Ex	2NC 2NO	E Stop

# Guardian Line Heavy Duty - Type GLHL-SS GLHR-SS Stainless Steel

Protection up to 125 meters



The GLHL/R-SS is a robust 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 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 sealing by using integral bellows and gaskets.

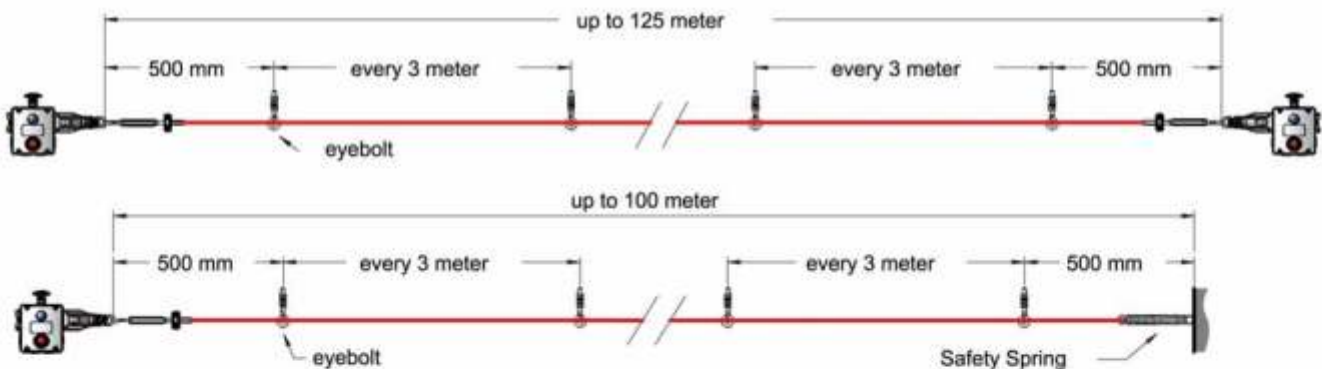
They can be used to complement the GLHD-SS versions at each end of the rope span.



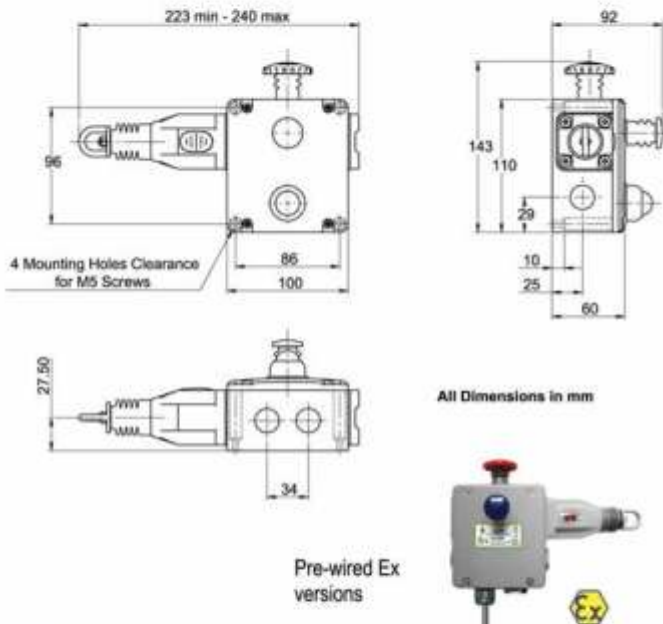
GLHL Left Hand



GLHR Right Hand



It is recommended when using a Safety Spring that a maximum of one corner pulley is used.



- Standards: IEC 947-5-1 IEC947-5-5 EN 418  
UL508 BS 5304
- Approvals: cULus TÜV
- Enclosure / Cover: Stainless Steel 316
- External Parts: Stainless Steel
- IP Rating: IP67
- Rope Spans: 125m.
- Rope Tension device: IDEM Tensioner / Gripper – Quick Fixing
- Rope Type: 4.0 mm Outside Dia. Steel inner – PVC sheath
- Mounting: 4 x M5
- Mounting position: Any
- Conduit entries: 4 x M20 or 4 x 1/2" NPT by part number
- Torque settings: Mounting M5 4.0 Nm  
Lid T20 Torx M4 1.5 Nm  
Terminals 1.0 Nm
- Ambient Temperature: -25C, 80 C.
- Vibration resistance: 10-500Hz 0.35mm
- Shock resistance: 15g 11ms
- Tension Force (typical mid setting): 130N.
- Typical Operating Force (Rope pulled): < 125N. < 300mm Deflection
- Mechanical Life: 1,000,000 operations
- Weight: 1320 g.
- Contact type: IEC 947-5-1 Double break Type Zb  
Snap Action up to 4NC (positive break)  
2NO (Auxiliary)
- Contact Material: Silver
- Termination: Clamp up to 2.5 sq. mm conductors
- Rating: Utilisation Category : AC15 A300  
240V, 3A.
- Operational Rating: 10A.
- Thermal Current (Ith): 500V.
- Rated Insulation Voltage (Ui): 2500V.
- Withstand Voltage (Uimp): Fuse Externally 10A. (FF)
- Short Circuit Overload Protection
- Explosion Proof Contact Block Classification: Optional  
EEx d IIC T6  
PTB 00 ATEX 1093X IIBExU 01 ATEX 1007X
- Contact Arrangement: 1 N/C 1 N/O or 2NC or 3NC 1NO or 2NC 2NO
- Rated Voltage: 250V a.c
- Rated Current: 4A a.c

Sales Number	Type	Conduit	Contacts	Fittings
145005	GLHL	4 x M20	4NC 2NO	LED E Stop
145006	GLHL	4 x 1/2" NPT	4NC 2NO	LED E Stop
145007	GLHLEx	3m. 4 core Ex	1NC 1NO	E Stop
145015	GLHLEx	3m. 4 core Ex	3NC 1NO	E Stop
145019	GLHLEx	3m. 4 core Ex	2NC	E Stop
145020	GLHLEx	3m. 4 core Ex	2NC 2NO	E Stop
145009	GLHR	4 x M20	4NC 2NO	LED E Stop
145010	GLHR	4 x 1/2" NPT	4NC 2NO	LED E Stop
145011	GLHREx	3m. 4 core Ex	1NC 1NO	E Stop
145016	GLHREx	3m. 4 core Ex	3NC 1NO	E Stop
145021	GLHREx	3m. 4 core Ex	2NC	E Stop
145022	GLHREx	3m. 4 core Ex	2NC 2NO	E Stop