

# Guardian Line Standard Duty - Type GLS

## Protection up to 80 meters



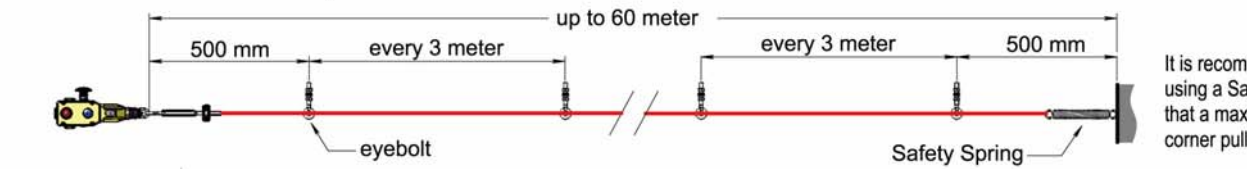
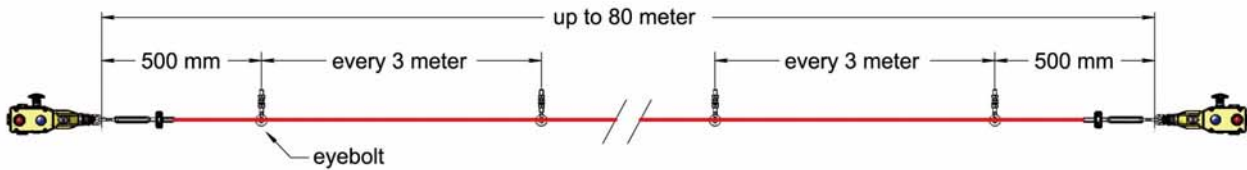
The GLS a General Duty robust die-cast Safety Rope Pull switch designed to protect conveyor lengths where protection is required up to 80m. using two switches or up to 60m. using a single switch.

They provide a reliable general purpose safety solution for conveyors and offer a choice of fittings depending upon the application.

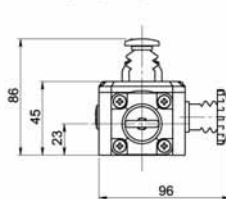
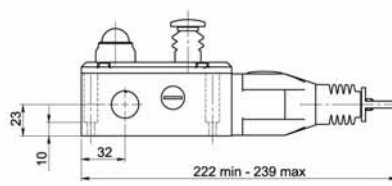
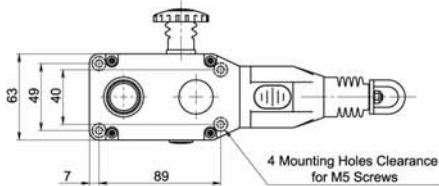
They can be supplied with a mushroom type Emergency Stop button which can be fitted to the side of the switch to offer an extra traditional Emergency Stop function close to the switch, or can be fitted later after installation without any extra wiring.

A bi-colour LED is available to show switch status from a distance and they have a choice of 3 pole, 4 pole or Explosion Proof contact blocks to ensure flexibility with all modern control applications.

Rugged integral sealing bellows means they can be high pressure hosed and the choice of materials makes them suitable for inside or outside use.



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



Pre-wired Explosion Proof versions

- 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: Up to 80m.
- 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: 3 x M20 or 3 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: 820 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
- 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 IBEExU 01 ATEX 1007X
- Contact Arrangement: 1 N/C 1 N/O or 2NC
- Rated Voltage: 250V a.c
- Rated Current: 4A a.c

Sales Number	Conduit	Contacts	Fittings
142001	3 x M20	2NC 1NO	
142002	3 x 1/2" NPT	2NC 1NO	
142005	3 x M20	2NC 1NO	LED
142006	3 x 1/2" NPT	2NC 1NO	LED
142009	3 x M20	2NC 1NO	E-Stop
142010	3 x 1/2" NPT	2NC 1NO	E-Stop
142017	3 x M20	2NC 1NO	E-Stop & LED
142018	3 x 1/2" NPT	2NC 1NO	E-Stop & LED
142050	3 x M20	3NC 1NO	
142051	3 x 1/2" NPT	3NC 1NO	
142052	3 x M20	2NC 2NO	
142053	3 x 1/2" NPT	2NC 2NO	
142054	3 x M20	4NC	
142055	3 x 1/2" NPT	4NC	
142056	3 x M20	3NC 1NO	LED
142057	3 x 1/2" NPT	3NC 1NO	LED
142058	3 x M20	2NC 2NO	LED
142059	3 x 1/2" NPT	2NC 2NO	LED
142060	3 x M20	4NC	LED
142061	3 x 1/2" NPT	4NC	LED
142062	3 x M20	3NC 1NO	E-Stop
142063	3 x 1/2" NPT	3NC 1NO	E-Stop
142064	3 x M20	2NC 2NO	E-Stop
142065	3 x 1/2" NPT	2NC 2NO	E-Stop
142066	3 x M20	4NC	E-Stop
142067	3 x 1/2" NPT	4NC	E-Stop
142074	3 x M20	3NC 1NO	E-Stop & LED
142075	3 x 1/2" NPT	3NC 1NO	E-Stop & LED
142076	3 x M20	2NC 2NO	E-Stop & LED
142077	3 x 1/2" NPT	2NC 2NO	E-Stop & LED
142078	3 x M20	4NC	E-Stop & LED
142079	3 x 1/2" NPT	4NC	E-Stop & LED
142025	3m. 4 core Ex	1NC 1NO	
142028	3m. 4 core Ex	2NC	