## **Guardian Line Standard Duty - Type: GLS**

## Protection up to 80 meters

The GLS is 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.

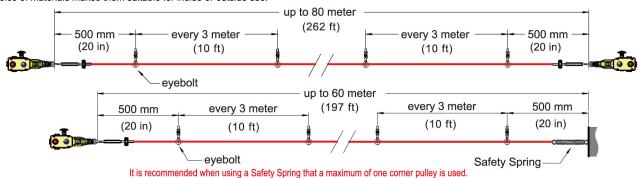
They can be supplied with a mushroom type Emergency Stop button which can be fitted to the side of the switch to offer an extra traditional Emergency Stop function close to the switch, or can be fitted later after installation without any extra wiring.

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.

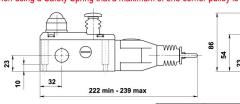
Rugged integral sealing bellows means they can be high pressure hosed and the choice of materials makes them suitable for inside or outside use.



GLS-FZ: special low temperature version - 40C. available.



2 9 9 A Mounting Holes





Pre-wired Ex versions (See Explosion proof section)

Standards: IEC 60947-5-1 IEC 60947-5-5 EN954-1 EN62061 UL508 ISO13850 ISO13849-1 Safety Classification and Reliability Data:

Proof Test Interval (Life)

MTTFd
214 years

Enclosure / Cover
IP Rating
Rope Spans
Rope Tension device

Proof Test Interval (Life)
21 years
Die-Cast – Painted Yellow
IP-G7 (NEMA 6)
Up to 80m.
IDFM Tensioner / Gripper – Q

Rope Tension device
Rope Type:
Mounting
Mounting position
Conduit entries

Rope Tensioner / Gripper – Quick Fixing
4.0 mm Outside Dia. Steel inner – PVC sheath
4 x M5
Any
3 x M20 or 3 x ½ "NPT by part number

Conduit entries 3 x M20 or 3 x ½ "NPT by part number
Torque settings Mounting M5 4.0 Nm
Lid T20 Torx M4 1.5 Nm
Terminals 1.0 Nm

Ambient Temperature
Vibration resistance
Shock resistance
Tension Force (typical mid setting)
Typical Operating Force (Rope pulled)
Weight
Shock resistance
159 11ms
130N.
125N. < 300mm Deflection
820 g.

Contact type IEC 947-5-1 Double break Type Zb
Snap Action up to 4NC (positive break)
2NO (Auxiliary)

Contact Material
Termination
Rating
Operational Rating
Thermal Current (Ith)
Rated Insulation Voltage (Uin)
Withstand Voltage (Uin)
Short Circuit Overload Protection

2Silver
Clamp up to 2.5 sq. mm conductors
Utilisation Category: AC15
240V. 3A.
10A.
750V.
2500V.
2500V.
Fuse Externally 10A. (FF)

For all IDEM Rope Switches the normally closed (NC) circuits are closed when the system is tensioned correctly and the switch has been reset.

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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
142026	Replacem	ent Lid	
142027	Replacement Lid with LED		LED
For LED models add voltage code to Sales Number			
Steady Green / Flashing Red A - 24Vdc B - 110Vac C - 230V.ac			
Steady Green / Steady Red AS-24Vdc BS-110Vac CS-230V.ac			

Gold Plated Contacts available for low power circuits (5V. 5mA). Add GC to Part Number e.g. 142001-GC

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