

# Guardian Line Mini Duty - Type GLM

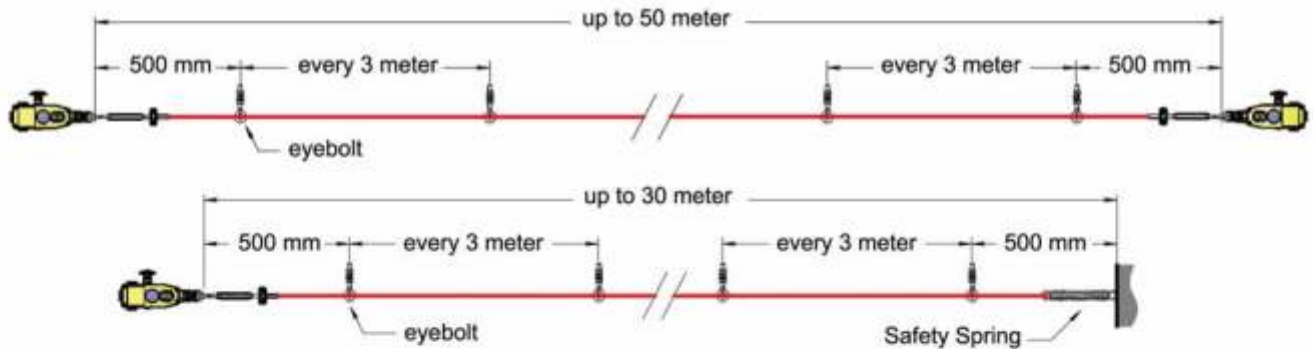
## Protection up to 50 meters

The GLM a compact yet robust die-cast Mini Duty Safety Rope Pull switch designed to protect short conveyor lengths where protection is required up to 50m, using two switches or up to 30m, using a single switch.

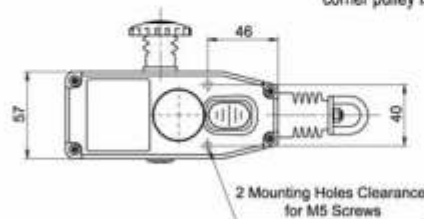
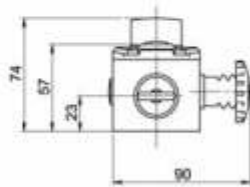
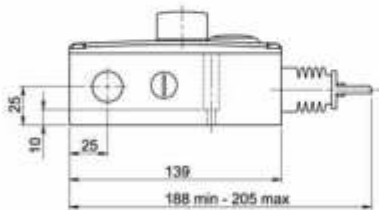
They provide reliable, cost effective safety solutions for conveyor systems and can be enhanced by adding external mushroom type E Stop at the switch or bi-colour LED available to show switch status from a distance.

They have a choice of 3 or 4 pole contacts to ensure flexibility with all modern control applications.

Rugged integral sealing bellows means they can be high pressure hosed.



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



All Dimensions in mm

Sales Number	Conduit	Contacts	Fittings
143001	M20	2NC 1NO	
143002	1/2" NPT	2NC 1NO	
143003	M20	3NC	
143004	1/2" NPT	3NC	
143005	M20	2NC 1NO	E Stop
143006	1/2" NPT	2NC 1NO	E Stop
143007	M20	3NC	E Stop
143008	1/2" NPT	3NC	E Stop
143050	M20	3NC 1NO	
143051	1/2" NPT	3NC 1NO	
143052	M20	2NC 2NO	
143053	1/2" NPT	2NC 2NO	
143054	M20	4NC	
143055	1/2" NPT	4NC	
143056	M20	3NC 1NO	E Stop
143057	1/2" NPT	3NC 1NO	E Stop
143058	M20	2NC 2NO	E Stop
143059	1/2" NPT	2NC 2NO	E Stop
143060	M20	4NC	E Stop
143061	1/2" NPT	4NC	E Stop
143062	M20	3NC 1NO	LED
143063	1/2" NPT	3NC 1NO	LED
143064	M20	2NC 2NO	LED
143065	1/2" NPT	2NC 2NO	LED
143066	M20	3NC 1NO	E Stop & LED
143067	1/2" NPT	3NC 1NO	E Stop & LED
143068	M20	2NC 2NO	E Stop & LED
143069	1/2" NPT	2NC 2NO	E Stop & LED

- Standards: IEC 947-5-1 IEC947-5-5 EN 418
- UL508 BS 5304
- Approvals: cULus TÜV
- Enclosure / Cover: Die-Cast - Painted Yellow
- External Parts: Steel
- IP Rating: IP67
- Rope Spans: 50m.
- Rope Tension device: IDEM Tensioner / Gripper - Quick Fixing
- Rope Type: 4.0 - 5.0 mm Outside Dia. Steel inner - PVC sheath
- Mounting: 2 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 Torx T20 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: 670 g.
- Contact type: IEC 947-5-1 Double break Type Zb  
Snap Action up to 3NC (positive break)  
up to 1NO (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)