# Standard Duty Safety Rope Pull Switches 

## GLS and GLS-SS Series



```
\ Mount on Machines and Conveyors
    Which Cannot be Protected by Guards
\checkmark ~ P r o t e c t ~ C o n v e y o r s ~ U p ~ t o :
        GLS Series:
            80 m (262.5') Using Two Switches or
            60 m (197') Using a Single Switch
        GLS-SS Series:
            100 m (328') Using Two Switches or
            80 m (262.5') Using a Single Switch
\checkmark ~ M u s h r o o m ~ T y p e ~ E m e r g e n c y ~ S t o p ~ B u t t o n
Reset Button-Push to Reset Following
    Switch Activation by Rope Pull
\checkmark ~ W i r e - B r e a k a g e ~ M o n i t o r i n g ~
```


## $\checkmark$ Mount on Machines and Conveyors Which Cannot be Protected by Guards

``` \(\checkmark\) Protect Conveyors Up to: GLS Series:
80 m (262.5') Using Two Switches or 60 m (197') Using a Single Switch GLS-SS Series: 100 m (328') Using Two Switches or 80 m (262.5') Using a Single Switch - Mushroom Type Emergency Stop Button Reset Button-Push to Reset Following Switch Activation by Rope Pull \(\checkmark\) Wire-Breakage Monitoring
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Switch to Spring Diagram


## Rope Span:

GLS: Up to 80 m (262.5') (2 switches), 60 m (197') (1 switch)
GLS-SS: Up to 100 m (328') (2 switches), 80 m (262.5') (1 switch)
Rope Tension Device: Tensioner/gripper (quick fixing)
Rope Type: 4.00 mm outside dia, steel inner, PVC sheath
Mounting: $4 \times \mathrm{M} 5$
Mounting Position: Any
Conduit Entries: $3 \times 1 / 2$ NPT
Tongue Settings: Mounting M5 4.0 Nm, Lid T20 Torx M4 1.5 Nm, Terminals 1.0 Nm
Operating Ambient Temperature: -25 to $80^{\circ} \mathrm{C}\left(-13\right.$ to $\left.176^{\circ} \mathrm{F}\right)$
Vibration Resistance: 10 to $500 \mathrm{~Hz}, 0.35 \mathrm{~mm}$
Shock Resistance: $11 \mathrm{~ms}, 15 \mathrm{~g}$
Tension Force (Typical Mid Setting): 130N
Typical Operating Force (Rope pulled): <125N, <300 mm deflection

Contact Type: EN60947-5-1, double break type Zb, snap action 3 NC (positive break) 1 NO (auxiliary)
Contact Material: Silver
Termination: Clamp up to $2.5 \mathrm{~mm}^{2}$ conductors
Rating:
GLS: Utilization category AC15
GLS-SS: Utilization category AC15, A300
Operational Rating: 240V 3 A
Thermal Current (Ith): 10 A
Rated Insulation Voltage (U): 500V
Withstand Voltage (Uimp): 2500V
Short Circuit Overload Protection: Fuse externally 10A (FF) Weight:

GLS Series: 735 g (26 oz)
GLS-SS Series: 1815 g (64 oz)


## To Order

Safety Rope Pull Switches-Up to 80 m (262.5') Runs (Switch-to-Switch), 60 m (197') (Switch-to-Spring)

| Model No. | Description | Material | Contacts | Conduit Entry | Fittings |
| :--- | :--- | :--- | :---: | :---: | :---: |
| GLS-142051 | Safety rope pull switch | Die Cast | 3 NC 1 NO | $3 \times 1 / 2$ NPT | - |
| GLS-142075A | Safety rope pull switch | Die Cast | 3 NC 1 NO | $3 \times 1 / 2$ NPT | E-Stop, 24 Vdc LED |
| GLS-142075B | Safety rope pull switch | Die Cast | 3 NC 1 NO | $3 \times 1 / 2$ NPT | E-Stop, 110 Vac LED |

Safety Rope Pull Switches-Up to 100 m (328') Runs (Switch-to-Switch), 80 m (262.5') (Switch-to-Spring)

| GLS-SS-144002 | Safety rope pull switch | 316 SS | 3 NC 1 NO | $3 \times 1 / 2$ NPT | - |
| :---: | :---: | :---: | :---: | :---: | :---: |
| GLS-SS-144020A | Safety rope pull switch | 316 SS | 3 NC 1 NO | $3 \times 1 / 2$ NPT | E-Stop, 24 Vdc LED |
| GLS-SS-144020B | Safety rope pull switch | 316 SS | 3 NC 1 NO | $3 \times 1 / 2$ NPT | E-Stop, 110 Vac LED |

Ordering Example: GLS-142075A safety rope pull switch with E-Stop and 24 Vdc LED, 140006 rope kit galvanized, 50 m (164.1'), 140043 stainless steel safety spring and one 140046 (8-pack) eyebolts, galvanized.

Rope Kits (Includes rope, eyebolts, tensioner/gripper, allen key)

| Model No. | Description | Material | Rope QL (Quick Link) | Eyebolts 84 mm L (3.3") | Tensioner/ Gripper | Allen Key |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Qty. Included in Kit |  |  |
| 140001 | Rope kit | Galvanized | 5 m (16.4') | 3 | 1 | 1 |
| 140002 | Rope kit | Galvanized | 10 m (32.8') | 5 | 1 | 1 |
| 140003 | Rope kit | Galvanized | 15 m (49.2') | 7 | 1 | 1 |
| 140004 | Rope kit | Galvanized | 20 m (65.6') | 9 | 1 | 1 |
| 140005 | Rope kit | Galvanized | 30 m (98.4') | 12 | 1 | 1 |
| 140006 | Rope kit | Galvanized | 50 m (164.1') | 20 | 1 | 1 |
| 140007 | Rope kit | Galvanized | 80 m (262.5') | 30 | 2 | 2 |
| 140008 | Rope kit | Galvanized | 100 m (328.1') | 37 | 2 | 2 |
| 140009 | Rope kit | Galvanized | 126 m (413.4') | 45 | 2 | 2 |
| 140010 | Rope kit | Stainless steel | 5 m (16.4') | 3 | 1 | 1 |
| 140011 | Rope kit | Stainless steel | 10 m (32.8') | 5 | 1 | 1 |
| 140012 | Rope kit | Stainless steel | 15 m (49.2') | 7 | 1 | 1 |
| 140013 | Rope kit | Stainless steel | 20 m (65.6') | 9 | 1 | 1 |
| 140014 | Rope kit | Stainless steel | 30 m (98.4') | 12 | 1 | 1 |
| 140015 | Rope kit | Stainless steel | 50 m (164.1') | 20 | 1 | 1 |
| 140016 | Rope kit | Stainless steel | 80 m (262.5') | 30 | 1 | 1 |
| 140017 | Rope kit | Stainless steel | 100 m (328.1') | 37 | 1 | 1 |
| 140018 | Rope kit | Stainless steel | 126 m (413.4) | 45 | 1 | 1 |

## Accessories

| Model No. | Description |
| :--- | :--- |
| $\mathbf{1 4 0 0 1 9}$ | Tensioner gripper, galvanized |
| $\mathbf{1 4 0 0 2 0}$ | Tensioner gripper, stainless steel |
| $\mathbf{1 4 0 0 2 1}$ | Pully (inside or outside), stainless steel |
| $\mathbf{1 4 0 0 4 3}$ | Safety spring, stainless steel, 220 mm (7.8") long |
| $\mathbf{1 4 0 0 4 5}$ | Eyebolt, stainless steel, 8-pack, 84 mm (3.3") long, thread length $51 \mathrm{~mm}\left(2.0^{\prime \prime}\right) \mathrm{M} 8 \times 1.25$ |
| $\mathbf{1 4 0 0 4 6}$ | Eyebolt, galvanized, 8-pack, 84 mm (3.3") long, thread length $51 \mathrm{~mm}\left(2.0^{\prime \prime}\right) \mathrm{M} 8 \times 1.25$ |
| $\mathbf{1 4 0 1 2 1}$ | 316 SS gland $1 / 2$ NPT |

