



SRM Metal Series Safety Rope Pull Switches





For increased product safety.

Whether on a conveyor belt, production line or machine – when maximum safety is required, BERNSTEIN rope pull switches offer a proven and reliable technical solution. These switches are flexible, easy to install and offer maximum safety when it is needed.

The SRM series safety rope pull switches are designed and approved in accordance with IEC 947-5-5, IEC 60947-5-5 and ISO 13850.

On actuation or if cable loosens or breaks, the emergency stop switching device locks automatically and can only be reset to its initial setting by using e-stop / reset button.

ADVANTAGES

- Rope status tension display for fast set up & monitoring
- Integrated emergency stop/reset button
- Time saving Quick-Fix rope clamping head
- Covered tamper-proof switching & mechanics
- Flexible application for different cable lengths
- Slack tension monitor warning output available
- BG, cCSAus and CCC approval

DESCRIPTION

- Protection class IP67
- Aluminum pressure die-casting metal housing
- Suitable for outdoor use
- Temperature range $-30\text{ }^{\circ}\text{C}$ and $+80\text{ }^{\circ}\text{C}$
- Easy to mount; uses common hole pattern spacing
- Flexible wiring with three M20 x 1.5 cable entries
- Easy installation with maximum connection space
- Up to four positively driven NC contacts
- Separate-action built-in contact blocks
- AS-i Safety at Work versions available

TECHNICAL DATA

- Rated insulation voltage U_i 250 V AC
- Rated operating voltage U_e 240 V
- Utilization category / switching capacity:
 - AC-15, 240 V / 3 A ; 120 V / 6 A
 - DC-13, 250 V / 0,27 A ; 125 V / 0,55 A
- Mechanical switching frequency max. $\leq 20/\text{min.}$
- Mechanical service life 1 x 10⁵ switching cycles
- $B10^D = 2 \times 10^5$ cycles
- Ambient temperature range $-30\text{ }^{\circ}\text{C}$ to $+80\text{ }^{\circ}\text{C}$
- Protection class IP67 in accordance with IEC 60529
- Aluminum pressure die-casting enclosure

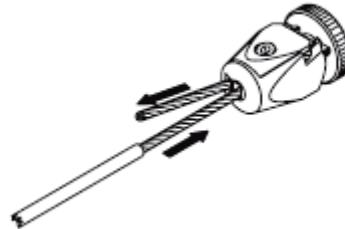


Perimeter Guard Application.

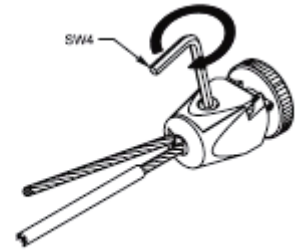
Quick-Fix Rope Clamping



Remove rope jacket



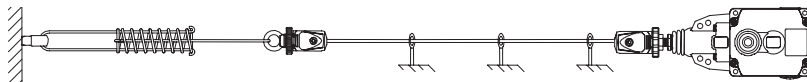
Insert rope into Quick-Fix Head



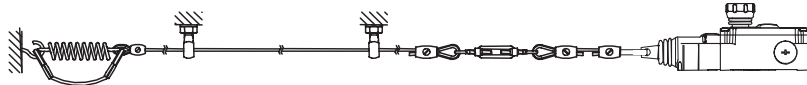
Tighten screw & adjust tension

Installation Example

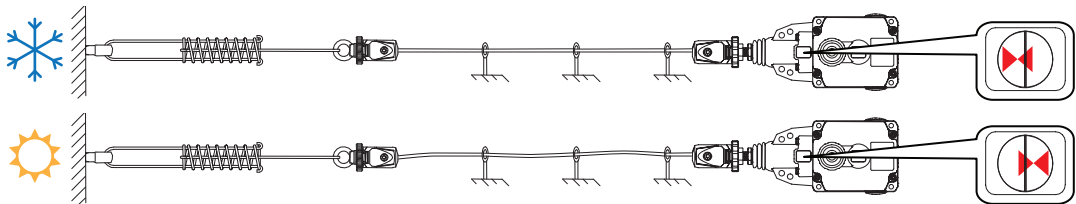
Tension Spring Installation



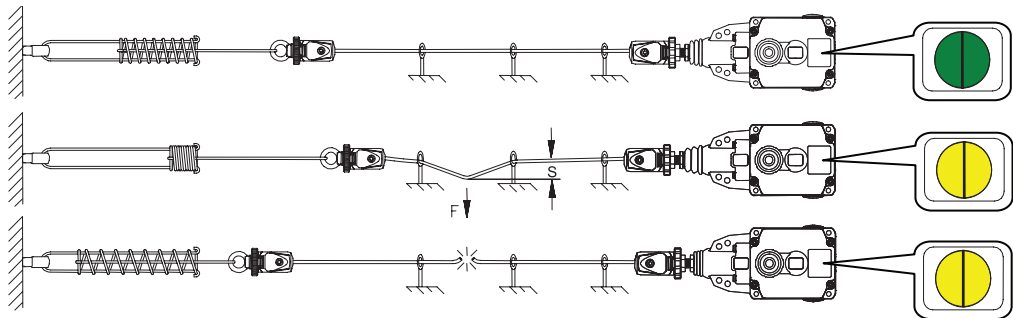
Standard Installation



Rope Tension Indicator



Switch Status Indicator

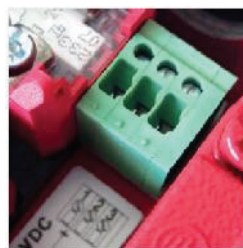


E-Stop / Reset Button

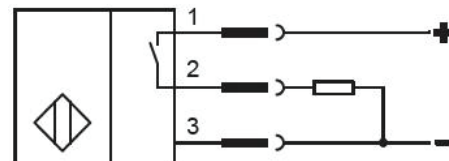


Push/Pull E-Stop and Reset Button

Optional Slack Rope Warning Output



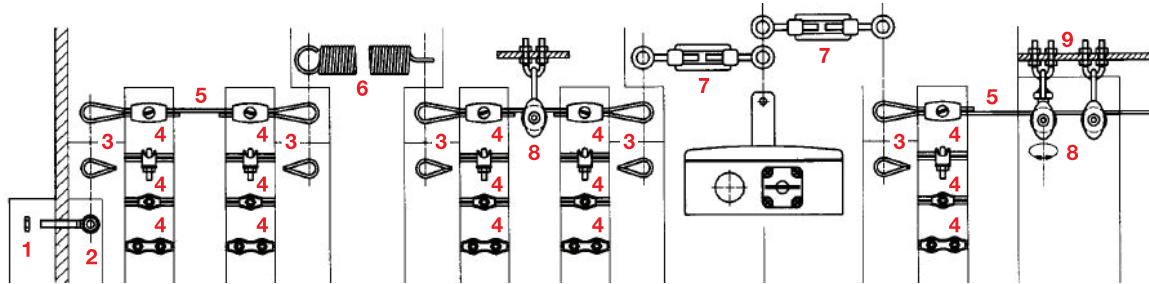
Provides a solid state output warning of a slack rope, before the switch is triggered.










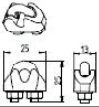



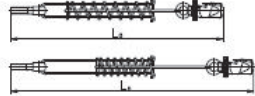


Part Numbers

Article Number*	Designation	Contact Type	Max. Span Length**		Features
6012929087	SRM-U1Z/U1Z-QF-300	2NC/2NO	75 m	246 Ft.	Quick-Fix QF
6012999096	SRM-A2Z/U1Z-QF-300	3NC/1NO	75 m	246 Ft.	Quick-Fix QF
6012929088	SRM-U1Z/U1Z-QF-300-E	2NC/2NO	75 m	246 Ft.	Quick-Fix QF, slack rope warning
6012999097	SRM-A2Z/U1Z-QF-300-E	3NC/1NO	75 m	246 Ft.	Quick-Fix QF, slack rope warning
6012929085	SRM-U1Z/U1Z-QF-175	2NC/2NO	37.5 m	124 Ft.	Quick-Fix QF
6012999094	SRM-A2Z/U1Z-QF-175	3NC/1NO	37.5 m	124 Ft.	Quick-Fix QF
6012929086	SRM-U1Z/U1Z-QF-175-E	2NC/2NO	37.5 m	124 Ft.	Quick-Fix QF, slack rope warning
6012999095	SRM-A2Z/U1Z-QF-175-E	3NC/1NO	37.5 m	124 Ft.	Quick-Fix QF, slack rope warning
6073200007	SRM-U1Z/U1Z-QF-175		37.5 m	124 Ft.	Quick-Fix QF, AS-i Safety at Work
6073200008	SRM-U1Z/U1Z-QF-300		37.5 m	246 Ft.	Quick-Fix QF, AS-i Safety at Work

Accessories



1 Nut  <table border="1"> <tr><td>M6</td><td>260.0439.090</td></tr> <tr><td>M8</td><td>260.0439.187</td></tr> <tr><td>M10</td><td>260.0934.092</td></tr> </table>	M6	260.0439.090	M8	260.0439.187	M10	260.0934.092	4 Rope Clamp, Simplex  <table border="1"> <tr><td>2</td><td>269.0000.007</td></tr> <tr><td>3</td><td>269.0000.008</td></tr> <tr><td>4</td><td>269.0000.009</td></tr> </table>	2	269.0000.007	3	269.0000.008	4	269.0000.009	7 Turnbuckle  <table border="1"> <tr><td>M5</td><td>269.1480.016</td></tr> <tr><td>M6</td><td>269.1480.017</td></tr> </table>	M5	269.1480.016	M6	269.1480.017
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2 Eye Bolt  <table border="1"> <tr><td>M10x50</td><td>260.0444.076</td></tr> <tr><td>M6x50</td><td>260.0444.185</td></tr> <tr><td>M8x50</td><td>260.0444.186</td></tr> </table>	M10x50	260.0444.076	M6x50	260.0444.185	M8x50	260.0444.186	4 Rope Clamp, Duplex  <table border="1"> <tr><td>2</td><td>269.0000.010</td></tr> <tr><td>3</td><td>269.0000.011</td></tr> <tr><td>4</td><td>269.0000.012</td></tr> </table>	2	269.0000.010	3	269.0000.011	4	269.0000.012	8 Pulley; Swivel  <table border="1"> <tr><td></td><td>269.0000.023</td></tr> </table>		269.0000.023		
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3 Rope Eye Stiffener  <table border="1"> <tr><td>D2.5</td><td>269.6899.013</td></tr> <tr><td>D3</td><td>269.6899.014</td></tr> <tr><td>D4</td><td>269.6899.015</td></tr> <tr><td>D5</td><td>269.6899.001</td></tr> </table>	D2.5	269.6899.013	D3	269.6899.014	D4	269.6899.015	D5	269.6899.001	5 Rope  <table border="1"> <tr><td>D3/D4</td><td>369.9100.025</td></tr> </table> <p>(sold by the meter)</p>	D3/D4	369.9100.025	8 Pulley; Fixed  <table border="1"> <tr><td></td><td>269.0000.022</td></tr> </table>		269.0000.022				
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4 Rope Clamp  <table border="1"> <tr><td>D5</td><td>269.741.002</td></tr> </table>	D5	269.741.002	6 Compression Spring  <table border="1"> <tr><td>18N</td><td>365.2100.331</td></tr> <tr><td>24N</td><td>365.2100.332</td></tr> <tr><td>13.3N</td><td>365.2100.211</td></tr> <tr><td>35.2N</td><td>365.2100.198</td></tr> </table>	18N	365.2100.331	24N	365.2100.332	13.3N	365.2100.211	35.2N	365.2100.198	Pulley; Deflection  <table border="1"> <tr><td></td><td>269.0000.051</td></tr> </table>		269.0000.051				
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4 Rope Clamp, Oval  <table border="1"> <tr><td>2</td><td>269.0000.004</td></tr> <tr><td>3</td><td>269.0000.005</td></tr> <tr><td>4</td><td>269.0000.006</td></tr> </table>	2	269.0000.004	3	269.0000.005	4	269.0000.006	Tension Spring with Quick Fix  <table border="1"> <tr><td>218N</td><td>383 mm</td><td>487 mm</td><td>391.1042.153</td></tr> <tr><td>335N</td><td>484 mm</td><td>653 mm</td><td>391.1042.154</td></tr> </table>		218N	383 mm	487 mm	391.1042.153	335N	484 mm	653 mm	391.1042.154		
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Learn More @
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