# **ER1032**

## **Rope Pull Emergency Stop Switch**

- Rope spans up to 200 m (656 ft.) makes this switch ideal for applications where long rope spans are required
- IP67 (NEMA 6) enclosure enables the ER1032 switch to withstand water washdown cleaning
- Integral E-stop—the E-stop button provides emergency stopping capability at the extreme end of the installation and is field serviceable
- Tension indicator makes system setup and rope tension maintenance easy
- 4 N/C safety contacts and 2 N/O auxiliary contacts satisfy the most demanding applications
- Vibration tolerant—the snap-acting switch contacts protect against nuisance tripping due to vibration
- Indicator beacon—the indicator beacon, available in 24 VDC or 120 VAC can be wired to flash red to indicate a tripped switch or glow a constant green to indicate a properly reset switch
- Rubber bellows contain UV inhibitor making the switches suitable for outdoor applications





Conforms to IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304 UL and C-UL listed, TUV certified

### **Specifications**

Electrical	All Models
Contact Configurations:	4 N/C + 2 N/O
Safety Contacts:	4 N/C
Switching Ability	AC: 240 V-3 A, 120 V-6 A, Inductive: DC: 24 V-2.5 A, Inductive
Auxiliary Contacts:	2 N/O
Max Switching Current/Volt/Amp:	240 V/720 VA
Minimum Current:	5 V 5 mA DC
Electrical Life:	1 x 10 <sup>6</sup> minimum
LED Indicator Beacon	24 VDC or 120 VAC
Mechanical	
Mounting:	Any position
Mounting Hardware:	4 x M5 screws
Max Rope Span:	200 m (656 ft.)
Operation Force:	< 125 N (28 lb.)
Tensioning Force to Run Position:	130 N (23 lb.) typical
Case Material:	Die-cast aluminum alloy
Eye Nut Material:	Stainless Steel
Stainless Accessory Items:	304 Stainless Steel
Wiring Entry:	4 x M20 or 4 x 0.5 in. NPT
Weight:	1320 g (42 oz.)
Color:	Yellow
Mechanical Life:	1 x 10 <sup>6</sup> minimum
Environmental	
Protection:	IP67 (NEMA 6)
Operating Temperature:	-25 to 80°C (-13 to 176°F)
Cleaning:	Water washdown
Compliance	
Standards:	IEC947-5-1, IEC947-5-5, EN418, UL508, BS5304
Approvals/Listings:	CE marked for all applicable directives, UL and C-UL, TUV

Specifications are subject to change without notice.

Note: The safety contacts of the STI switches are described as normally closed (N/C)—i.e., with the rope properly tensioned and the machine able to be started.





## Operation



#### **Blue Reset Knob**

A blue reset button is provided to easily return the unit back to its machine-run position after actuation.

#### **Installation Hardware Available**



#### Installation Hardware

Individual hardware items may be purchased for specific installation requirements.



#### **RK Rope Tension Kit**

The RK Rope Tension Kit comes with all of the required hardware for most installations. A spring is required as shown in the installation example below.

For up to 50 m rope span, one rope end is terminated with a thimble, permanent clamp, and quick link attached.

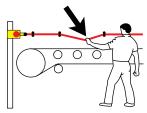
For over 50 m rope span, 2 Tension/Gripper assemblies are supplied (no quick link.)

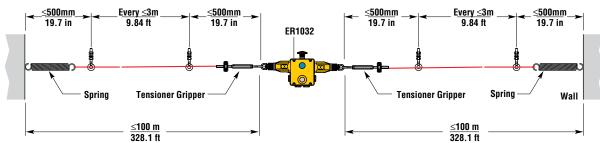
#### **Contact Arrangements**

<u>0 n</u> 0	<u>nm</u> <u>4</u> in 0.	<u>l.0</u> .16	<u>15.0</u> 0.59	<u>17.0</u> 0.67
4NC + 2NO	Rope Slack	Tension Range	Rope Pull	ed
11/12				
21/22				
33/34				
41/42				
51/52				
63/64				

□ Contact Open ■ Contact Closed

### **Mounting Specification**



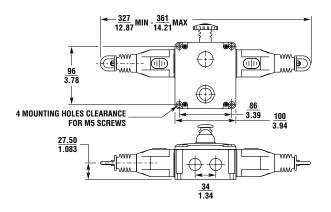


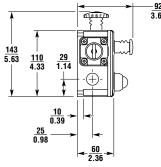
Note: Some installations may require a ER1022 on each end.





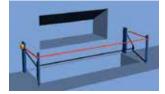
Dimensions (mm/in.) Applications

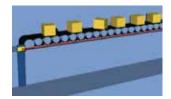




Typical applications are on conveyor systems and across

conveyor systems and across rotating machinery, and around hazardous areas.





## **Ordering**

Model	E-Stop	Indicator Beacon	Contacts	Wiring Entry	Part No.
ER1032-042MEL	Included	Included (24 VDC)	4 N/C + 2 N/O	4 x M20	44506-7410
ER1032-042MELAC	Included	Included (120 VAC)	4 N/C + 2 N/O	4 x M20	44506-7411
ER1032-042NEL	Included	Included (24 VDC)	4 N/C + 2 N/O	4 x 1/2 in. NPT	44506-7420
ER1032-042NELAC	Included	Included (120 VAC)	4 N/C + 2 N/O	4 x 1/2 in. NPT	44506-7421

Accessories	Part No.				
Stainless Steel Rope Kits	Quick Link	Eye- bolts	Tension/ Gripper Assembly	Allen Wrench	
RK5, 5 m Kit	Yes	3	1	1	44506-2705
RK10, 10 m Kit	Yes	5	1	1	44506-2710
RK15, 15 m Kit	Yes	7	1	1	44506-2715
RK20, 20 m Kit	Yes	9	1	1	44506-2720
RK30, 30 m Kit	Yes	12	1	1	44506-2730
RK50, 50 m Kit	Yes	20	1	1	44506-2750
RK80, 80 m Kit	No	30	2	2	44506-2780
RK100, 100 m Kit	No	37	2	2	44506-2711
RK126, 126 m Kit	No	45	2	2	44505-2726
Rope Only					
R5M, 5 m Rope Only					44506-3705
R10M, 10 m Rope Only					44506-3710
R20M, 20 m Rope Only					44506-3720
R30M, 30 m Rope Only					44506-3730
R50M, 50 m Rope Only					44506-3750
R80M, 80 m Rope Only					44506-3780
R100M, 100 m Rope Only					44506-3711
R126M, 126 m Rope Only					44506-3726

Accessories	Part No.
SM06-SL711, Replacement Lid/LED, 24 VDC	44506-7710
SM06-SL711AC, Replacement Lid/LED, 120 VAC	44506-7711
SM06-TK00, Tensioner Kit (Turnbuckle, 8 Rope Grips & 4 Thimbles)	44506-0700
SM06-TG00, Tensioner Gripper, Stainless Steel	44506-4700
SM06-EB10, Eye Bolt, Stainless Steel, 8 per pack	44506-4710
SM06-EB20, Eye Bolt, Galvanized	44506-0720
SM06-DL20, Double Loop Clip, Stainless Steel, 4 per pack	44506-4720
SM06-DL21, Double Loop Clip, Galvanized, 4 per pack	44506-4721
SM06-THSS, Thimble, Stainless Steel, 4 per pack	44506-4770
SM06-THGV, Thimble, Galvanized, 4 per pack	44506-4771
SM06-TB30, Turnbuckle, Stainless Steel	44506-4730
SM06-TB31, Turnbuckle, Galvanized	44506-4731
SM06-SP30, Spring, Galvanized	44506-0730
SM06-SP50, Spring, Stainless Steel	44506-4750
SM06-RPSS, Rope Pulley, Stainless Steel	44506-4780
SM06-ES60, E-Stop Mechanism	44506-4760
SM06-SL711, Replacement Lid with LED 24 VDC	44506-7710
SM06-SL711AC, Replacement Lid with LED 120 VAC	44506-7711



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- and (ii) Buyer has no past due amounts.

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