## C $\in$

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

- Indicator beacon-the optional dual indicator beacon, available in 24 VDC , can be wired to flash red to indicate a tripped switch or glow a constant green to indicate a properly reset switch
- E-stop button-the ER6022 has two mounting positions where the optional E-stop button may be installed; the E-stop button may be added or replaced in the field
- IP67 (NEMA 6) enclosure enables the ER6022 switch to withstand water washdown cleaning
- Heavy-duty housing-the die-cast housing and stainless steel eye nut makes the ER6022 suitable for demanding industrial applications
- Tension indicator-the tension indicator makes the system easy to set up and to maintain the proper rope tension
- Contact arrangements of $2 \mathrm{~N} / \mathrm{C}$ +1 N/O or $3 \mathrm{~N} / \mathrm{C}$
- Long life-the ER6022 switch is designed for a minimum of one million actuations
- Vibration tolerant-the snapacting switch contacts protect against nuisance tripping due to vibration

Go to the Engineering Guide For in-depth information on safety standards and use.

## - Operation



## Blue Reset Knob

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


## Emergency Push Button

The emergency push button may be installed or repositioned in the field. The ER6022 has two possible mounting positions for the emergency stop button.

## Mounting Specification



Note: Some installations may require a ER6022 on each end.


For a guide to installing, see "Proper Installation of Rope or Wire
Pull Switches" in the Engineering Section of this catalog.

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## Specifications

| Electrical | All Models |
| :---: | :---: |
| Contact Configurations: | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / 0,3 \mathrm{~N} / \mathrm{C}$ |
| Safety Contacts: | $2 \mathrm{~N} / \mathrm{C}, 3 \mathrm{~N} / \mathrm{C}$ |
| Switching Ability | AC: $240 \mathrm{~V}-3 \mathrm{~A}, 120 \mathrm{~V}-6 \mathrm{~A}$, Inductive, DC:24 V-2.5 A, Inductive |
| Auxiliary Contacts: | $1 \mathrm{~N} / 0$ |
| Max Switching Current/Volt/Amp: | 240 V/720 VA |
| Minimum Current: | 5 V 5 mA DC |
| Electrical Life: | $1 \times 10^{6}$ minimum |
| LED Indicator Beacon: | 24 VDC |
| Mechanical |  |
| Mounting: | Any position |
| Mounting Hardware: | $4 \times \mathrm{M} 5$ screws |
| Actuator Travel for Positive Opening: | See diagrams on previous page |
| Max Rope Span: | 80 m (262 ft.) |
| Operation Force: | < 125 N (28 lb.) |
| Tensioning Force to Run Position: | $130 \mathrm{~N}(23 \mathrm{lb}$.$) typical$ |
| Case Material: | Die-cast aluminum alloy |
| Eye Nut Material: | Stainless steel |
| Wiring Entry: | $3 \times \mathrm{M} 20$ or $3 \times 0.5 \mathrm{in}$. NPT |
| Weight: | 880 g (31 oz.) |
| Color: | Yellow |
| Mechanical Life: | $1 \times 10^{6}$ minimum |
| Environmental |  |
| Protection: | IP67 (NEMA 6) |
| Operating Temperature: | -25 to $80^{\circ} \mathrm{C}$ (-13 to $176^{\circ} \mathrm{F}$ ) |
| 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 |

Specifications are subject to change without notice.
Note: The safety contacts of the Omron STI switches are described as normally closed (N/C)—i.e., with the rope properly tensioned and the machine able to be started.

- Dimensions - mm/in.



## - Applications

Typical applications are on conveyor systems and across rotating machinery, and around hazardous areas.


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## - Ordering

| Model | E-Stop | Indicator Beacon | Contacts | Wiring Entry | Part No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ER6022-021M | Not included | Not included | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / 0$ | $3 \times \mathrm{M} 20$ | 44506-5010 |
| ER6022-021N | Not included | Not included | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | $3 \times 1 / 2 \mathrm{in}$. NPT | 44506-5020 |
| ER6022-030M | Not included | Not included | $3 \mathrm{~N} / \mathrm{C}$ | $3 \times \mathrm{M} 20$ | 44506-5030 |
| ER6022-030N | Not included | Not included | $3 \mathrm{~N} / \mathrm{C}$ | $3 \times 1 / 2 \mathrm{in}$. NPT | 44506-5040 |
| ER6022-021ML | Not included | Included (24 VDC) | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | $3 \times \mathrm{M} 20$ | 44506-5110 |
| ER6022-021NL | Not included | Included (24 VDC) | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | $3 \times 1 / 2 \mathrm{in}$. NPT | 44506-5120 |
| ER6022-030ML | Not included | Included (24 VDC) | $3 \mathrm{~N} / \mathrm{C}$ | $3 \times \mathrm{M} 20$ | 44506-5130 |
| ER6022-030NL | Not included | Included (24 VDC) | $3 \mathrm{~N} / \mathrm{C}$ | $3 \times 1 / 2 \mathrm{in}$. NPT | 44506-5140 |
| ER6022-021ME | Included | Not included | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | $3 \times \mathrm{M} 20$ | 44506-5210 |
| ER6022-021NE | Included | Not included | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / 0$ | $3 \times 1 / 2 \mathrm{in}$. NPT | 44506-5220 |
| ER6022-030ME | Included | Not included | $3 \mathrm{~N} / \mathrm{C}$ | $3 \times \mathrm{M} 20$ | 44506-5230 |
| ER6022-030NE | Included | Not included | $3 \mathrm{~N} / \mathrm{C}$ | $3 \times 1 / 2 \mathrm{in}$. NPT | 44506-5240 |
| ER6022-021MEL | Included | Included (24 VDC) | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | $3 \times \mathrm{M} 20$ | 44506-5410 |
| ER6022-021NEL | Included | Included (24 VDC) | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | $3 \times 1 / 2 \mathrm{in}$. NPT | 44506-5420 |
| ER6022-030MEL | Included | Included (24 VDC) | $3 \mathrm{~N} / \mathrm{C}$ | $3 \times \mathrm{M} 20$ | 44506-5430 |
| ER6022-030NEL | Included | Included (24 VDC) | $3 \mathrm{~N} / \mathrm{C}$ | $3 \times 1 / 2 \mathrm{in}$. NPT | 44506-5440 |

Part No.

| SM06-SL500, Replacement Lid 24 VDC | Part No. |
| :--- | :--- |
| SM06-SL510, Replacement Lid/LED | $44506-5700$ |
| SM06-SL510AC, Replacement Lid/LED 120 VAC |  |
| (consult factory for complete switch with 120 VAC beacon) | $44506-5711$ |
| RK5, 5 m Rope Kit, Stainless Steel | $44506-2705$ |
| RK10, 10 m Rope Kit, Stainless Steel | $44506-2710$ |
| RK15, 15 m Rope Kit, Stainless Steel | $44506-2715$ |
| RK20, 20 m Rope Kit, Stainless Steel | $44506-2720$ |
| RK30, 30 m Rope Kit, Stainless Steel | $44506-2730$ |
| RK50, 50 m Rope Kit, Stainless Steel | $44506-2750$ |
| RK80, 80 m Rope Kit, Stainless Steel | $44506-2780$ |
| 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 | $44506-3726$ |

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