# EZ-LIGHT® Indicators for RP Rope Pull Switches and SI Interlocking Switches



#### Datasheet

PNP DC-Operated LED Indicators with One or Two Colors



- Designed to provide switch status information
- M20 × 1.5 threaded polycarbonate base
- Translucent polycarbonate dome
- 130 mm (5 in) flying lead wires
- Fully encapsulated IP67, IP69K per DIN 40050-9

#### Models

Model Number	Color	For Use With	
SI-K30LYRX7P	Yellow, Red <sup>1</sup>	RP-RM83F-xxLTE/-xxLRE (with tension alarm output)	
SI-K30LGRX7P	Green, Red <sup>1</sup>	SI-series interlocks with N.O. contact, RP-LM40, RP-LS42F, RP-QM90F, RP-QM(T)72, RP-	
SI-K30LRXX7P	Red	RM83F, SI-LS31, SI-LS100, SI-QS90, SI-LM40, SI-LS42, SI-QM100	

### Specifications

Supply Voltage and Current 10 V dc to 30 V dc at 30 mA max.

#### Indicators

Entire translucent diffuser or dome provides indication.

Input Response Time Indicator ON/OFF: 1 ms max.

#### Construction

Base: polycarbonate, M20 × 1.5 threaded Translucent dome: polycarbonate

#### Connections

130 mm (5 in) flying lead wires

Environmental Rating
Fully encapsulated IEC IP67, IP69K if the cable and cable entrance are protected from high-pressure spray.

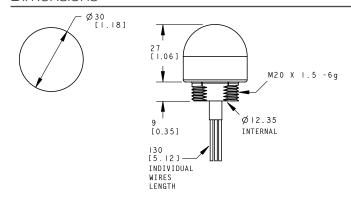
Operating Conditions -40 °C to +50 °C (-40 °F to +122 °F)

## Certifications

#### Color Key

Wire Color	V dc	Light Color
Brown	+24	Yellow or Green
Black	+24	Red (overrides yellow/green)
Blue	0	n/a

### **Dimensions**





Original Document 171472 Rev. B

<sup>1 +24</sup>Vdc applied to the black wire (Red) overrides (turns OFF) Yellow/Green

#### Wiring

#### SI-K30LYRX7P

#### RP-RM83F-xxLTE/-xxLRE (shown):

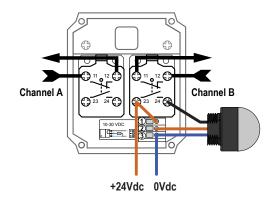
Brown = Terminal 2; Indication = YELLOW/Tension Alarm

Black = Terminal 24; Indication = RED/Stop

Blue = Terminal 3 and 0Vdc

+24Vdc = Terminal 1 and Terminal 23

NOTE: Armed (RUN) = OFF



#### SI-K30LGRX7P

#### RP-LS42F Hookup (shown):

Brown = +24Vdc and Terminal 14; Indication = GREEN/Armed (RUN)

Black = Terminal 13; Indication = RED/Stop

Blue = 0Vdc

#### RP-RM83F Hookup (without Tension Alarm):

Brown = +24Vdc and Terminal 23; Indication = GREEN/Armed (RUN)

Black = Terminal 24; Indication = RED/Stop

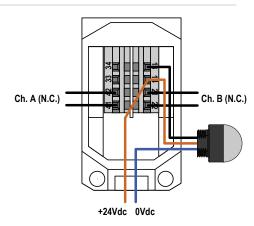
Blue = 0Vdc

#### SI-series Interlocking switches

Brown = +24Vdc and N.O.(a) contact; Indication = GREEN/Armed (RUN)

Black = N.O.(b) contact; Indication = RED/Stop

Blue = 0Vdc



#### SI-K30LRXX7P

### RP-LS42F Hookup (shown):

+24Vdc = Terminal 14

Black = Terminal 13; Indication = RED/

Stop

Blue = 0Vdc

NOTE: Armed (RUN) = OFF

### RP-RM83F Hookup (without Tension

Alarm):

+24Vdc = Terminal 23

Black = Terminal 24; Indication = RED/

Stop

Blue = 0Vdc

NOTE: Armed (RUN) = OFF

#### SI-series Interlocking switches

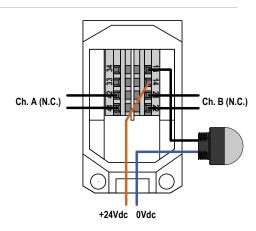
+24Vdc = N.O.(a) contact

Black = N.O.(b) contact; Indication =

RED/Stop

Blue = 0Vdc

NOTE: Armed (RUN) = OFF



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