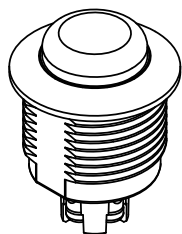


EZ-LIGHT® S22 High Intensity Indicators



Datasheet



One-color dc-operated LED indicators with:

- M12 Euro connector models available for plug and play indication
- Wide 9 to 30 V dc operating range allows for use in battery powered mobile applications
- IP69K rated to withstand harsh wash-down environments
- Wide operating range of -40°C to $+60^{\circ}\text{C}$ (-40°F to $+140^{\circ}\text{F}$)
- May also be used in task lighting or vision lighting applications
- Intense light level is viewable in direct sunlight

| Family | Color | Connector |
|--------|---|--|
| S22DLH | B = Blue G = Green R = Red W = White Y = Yellow | Blank = 2 meter cable Q = 4-pin Euro-style QD QP = Euro-style pigtail QD T = Four screw terminals |

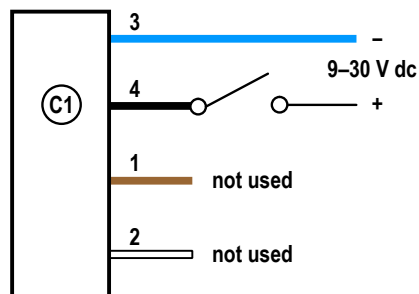
| Example Models | Indicator | Connector Type |
|----------------|-----------|-----------------------|
| S22DLHG | Green | 2 meter cable |
| S22DLHWQ | White | 4-pin Euro-style QD |
| S22DLHRQP | Red | Euro-style pigtail QD |
| S22DLHYT | Yellow | Four screw terminals |



WARNING: Not To Be Used for Personnel Protection

Never use this device as a sensing device for personnel protection. Doing so could lead to serious injury or death. This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.

Wiring Diagrams



- 1 = Brown
- 2 = White
- 3 = Blue
- 4 = Black
- C1 = Color 1



Specifications

Supply and Voltage Current

9 to 30 V dc
60 mA at 9 V dc; 25 mA at 30 V dc

Input Response Time

Indicator ON/OFF: 1 ms max

Light Characteristics

White (5000–10000K): 18 lumens at 25 °C
Red (620–630 nm): 6 lumens at 25 °C
Yellow (585–595 nm): 5 lumens at 25 °C
Green (520–535 nm): 18 lumens at 25 °C
Blue (465–485 nm): 5 lumens at 25 °C

Construction

UV stabilized polycarbonate housing
PBT mounting nut max torque 2.3 N·m (20 lbf·in)
Nitrile sealing washer

Connections

4-pin Euro-style integral QD (Q), 150 mm (5.9 in) PVC pigtail QD (QP), or 4-wire, 2 m (6.5 ft) PVC integral cable, 4 color-coded screw terminals for up to 16 AWG wire, depending on model, screw terminal max. torque 0.11 N·m (1.0 lbf·in)

Environmental Rating

Rated IEC IP67, and IP69K, per DIN 40050-9. Cabled models also meet IP69K if the cable and cable entrance are protected from high-pressure spray. Indicator side of terminal models meet IP67, and IP69K when installed in an enclosure. Screw connection points meet IP00

Operating Conditions

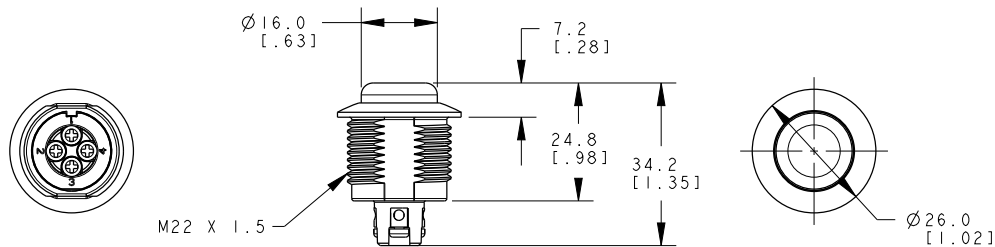
–40 °C to +60 °C (–40 °F to +140 °F)

Certifications

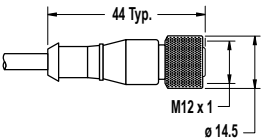
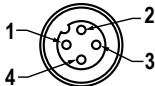
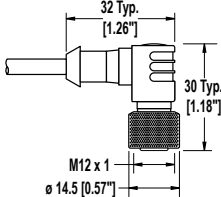


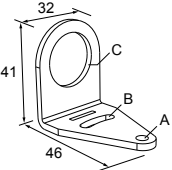
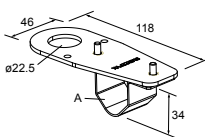
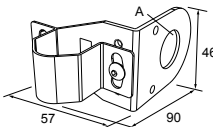
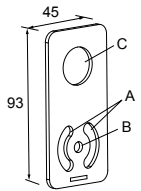
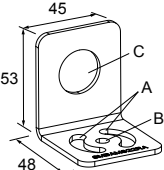
UL approval pending

Dimensions



Accessories

| 4-Pin Threaded M12/Euro-Style Cordsets | | | | |
|--|----------------|-------------|--|--|
| Model | Length | Style | Dimensions | Pinout (Female) |
| MQDC-406 | 1.83 m (6 ft) | Straight |  |  1 = Brown 2 = White 3 = Blue 4 = Black |
| MQDC-415 | 4.57 m (15 ft) | | | |
| MQDC-430 | 9.14 m (30 ft) | | | |
| MQDC-450 | 15.2 m (50 ft) | | | |
| MQDC-406RA | 1.83 m (6 ft) | Right-Angle |  | |
| MQDC-415RA | 4.57 m (15 ft) | | | |
| MQDC-430RA | 9.14 m (30 ft) | | | |
| MQDC-450RA | 15.2 m (50 ft) | | | |

| | |
|--|---|
| <p>SMB22A</p> <ul style="list-style-type: none"> Right-angle bracket with curved slot for versatile orientation 12-ga. stainless steel Mounting hole for 22 mm sensor  <p>Hole center spacing: A to B = 26.0 Hole size: A = \varnothing 4.6, B = 4.6 x 16.9, C = 22.2</p> | <p>SMB22FVK</p> <ul style="list-style-type: none"> V-clamp, flat bracket and fasteners for mounting to pipe or extensions Clamp accommodates 28 mm diameter tubing or 1 in. square extrusions 22 mm hole for mounting sensor  <p>Hole size: A = \varnothing 22.5</p> |
| <p>SMB22RAVK</p> <ul style="list-style-type: none"> V-clamp, right-angle bracket and fasteners for mounting to pipe or extensions Clamp accommodates 28 mm diameter tubing or 1 in. square extrusions 22 mm hole for mounting sensor  <p>Hole size: A = \varnothing 22.5</p> | <p>SMBAMS22P</p> <ul style="list-style-type: none"> Flat SMBAMS series bracket with 22 mm hole for mounting sensors Articulation slots for 90+° rotation 12-ga. (2.6 mm) cold-rolled steel  <p>Hole center spacing: A = 26.0, A to B = 13.0 Hole size: A = 26.8 x 7.0, B = \varnothing 6.5, C = \varnothing 22.5</p> |
| <p>SMBAMS22RA</p> <ul style="list-style-type: none"> Right-angle SMBAMS series bracket with 22 mm hole for mounting sensors Articulation slots for 90+° rotation 12-ga. (2.6 mm) cold-rolled steel  <p>Hole center spacing: A = 26.0, A to B = 13.0 Hole size: A = 26.8 x 7.0, B = \varnothing 6.5, C = \varnothing 22.5</p> | |

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