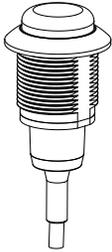


Datasheet



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 $-40\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$ to $+140\text{ }^{\circ}\text{F}$)
- May also be used in task lighting or vision lighting applications
- Intense light level is viewable in direct sunlight

Family	Color	Connector
S18DLH	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

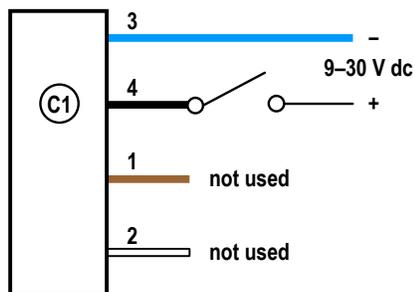
Example Models	Indicator	Connector Type
S18DLHG	Green	2 meter cable
S18DLHWQ	White	4-pin Euro-style QD
S18DLHRQP	Red	Euro-style pigtail QD
S18DLHYT	Yellow	Four screw terminals



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

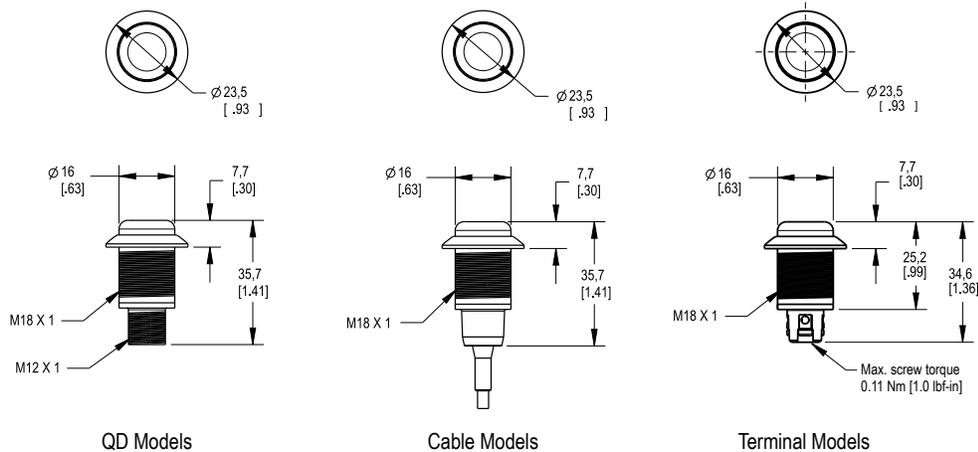
–40 °C to +60 °C (–40 °F to +140 °F)

Certifications



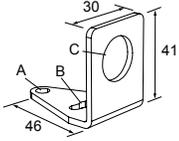
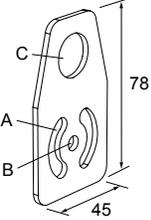
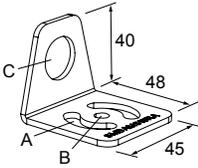
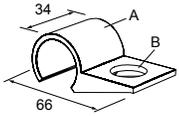
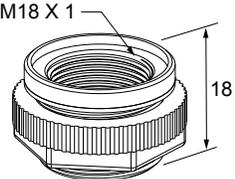
UL approval pending

Dimensions



Accessories

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406	1.83 m (6 ft)	Straight		<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
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>SMB18A</p> <ul style="list-style-type: none"> Right-angle mounting bracket with a curved slot for versatile orientation 12-ga. stainless steel 18 mm sensor mounting hole Clearance for M4 (#8) hardware  <p>Hole center spacing: A to B = 24.2 Hole size: A = \varnothing 4.6, B = 17.0 x 4.6, C = \varnothing 18.5</p>	<p>SMBAMS18P</p> <ul style="list-style-type: none"> Flat SMBAMS series bracket with 18 mm hole 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 19.0</p>						
<p>SMB18AFA..</p> <ul style="list-style-type: none"> Protective, swivel bracket with tilt and pan movement for precision adjustment Easy sensor mounting to extruded rail T-slots Metric and inch size bolts available Mounting hole for 18 mm sensors <p>Hole size: B = \varnothing 18.1</p> <table border="1" data-bbox="167 877 787 993"> <thead> <tr> <th>Model</th> <th>Bolt Thread (A)</th> </tr> </thead> <tbody> <tr> <td>SMB18AFA</td> <td>3/8 - 16 x 2 in</td> </tr> <tr> <td>SMB18AFAM10</td> <td>M10 - 1.5 x 50</td> </tr> </tbody> </table>	Model	Bolt Thread (A)	SMB18AFA	3/8 - 16 x 2 in	SMB18AFAM10	M10 - 1.5 x 50	<p>SMBAMS18RA</p> <ul style="list-style-type: none"> Right-angle SMBAMS series bracket with 18 mm hole 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 19.0</p>
Model	Bolt Thread (A)						
SMB18AFA	3/8 - 16 x 2 in						
SMB18AFAM10	M10 - 1.5 x 50						
<p>SMBC18</p> <ul style="list-style-type: none"> 18 mm sensor mounting hole Snaps onto 28 mm diameter structural framing  <p>A = \varnothing 26.9 mm Hole size: B = \varnothing 18.4</p>	<p>LMB1822FM</p> <ul style="list-style-type: none"> Adaptor for mounting the S18L into standard 22 mm holes Includes adaptor, nut, and gasket 						

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