# K50 Series I/O Block Compatible



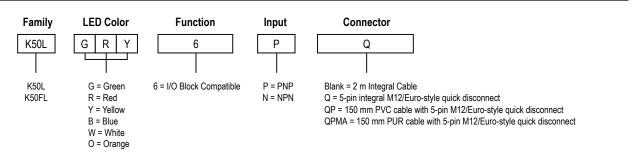
# Datasheet

50mm Multicolor LED Indicator



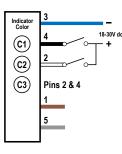
- Bright, uniform indicator light
- Rugged IP69K per DIN 40050-9 and IEC IP67-rated design
- 18 V DC to 30 V DC operation
- Operate up to three colors using only 2 inputs
- Up to six colors to choose from
- PNP or NPN models available
- Variety of connector options

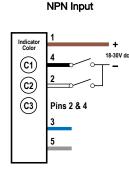
# Models

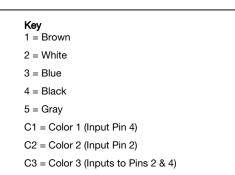


# Wiring











## Specifications

Supply Voltage and Current 18 V DC to 30 V DC 50 mA maximum current at 18 V DC to 30 V DC Supply Protection Circuitry Protected against reverse polarity and transient voltages

Leakage Current Immunity 400 µA

Input Response Time Indicator On: 250 ms maximum Indicator Off: 10 ms maximum

Connections

# Integral 5-pin M12/Euro-style male quick disconnect, or 150 mm (6 in) PVC cable with a quick disconnect , or 2 m (6.5 ft) integral PVC cable, depending on model

Construction

### Base and dome: Polycarbonate

Mounting M30 x 1.5 threaded base, maximum torque 4.5 N⋅m (40 in-lbf) Mounting nut included

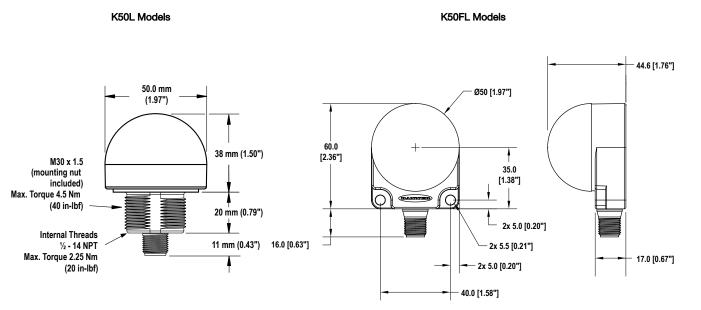
# Indicator Characteristics

Color	Dominant Wavelength (nm) or Color Temperature (CCT)	Lumen Output (Typical at 25 °C)
Green	528 nm	20
Red	625 nm	6.0
Yellow	590 nm	20
Blue	470 nm	5.0
Orange	608 nm	11
White	6000 K	16

#### Certifications



### Dimensions



Environmental Rating QD models meet IP69K per DIN 40050-9 Cable models rated IEC IP67

Note: Cable models meet IP69K per DIN 40050-9 if the cable and cable entrance is protected from highpressure spray.

### Vibration and Mechanical Shock

All models meet MIL-STD-202F, Method 201A (Vibration: 10 Hz to 60 Hz maximum, 0.06 inch (1.52 mm) double amplitude, 10G maximum acceleration) requirements. Also meets IEC 60947-5-2 (Shock: 30G 11 ms duration, half sine wave) requirements.

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

#### **Required Overcurrent Protection**



# WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

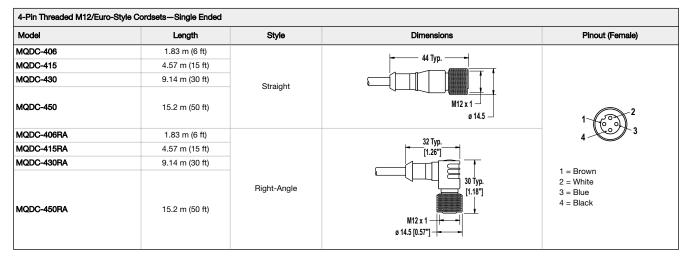
Overcurrent protection is required to be provided by end product application per the supplied table. Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply. Supply wiring leads < 24 AWG shall not be spliced. For additional product support, go to www.bannerengineering.com.

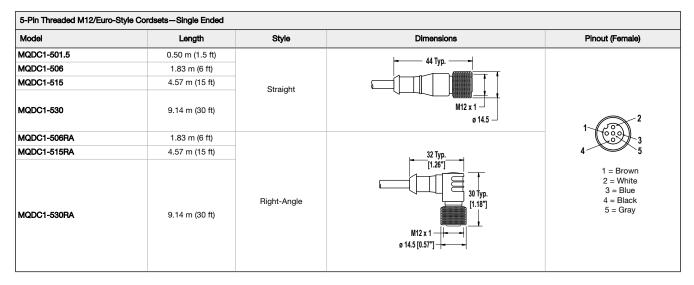
Supply Wiring (AWG)	Required Overcurrent Protection (Amps)
20	5.0
22	3.0
24	2.0
26	1.0
28	0.8
30	0.5

P/N 196759 Rev. C

# Accessories

# Cordsets

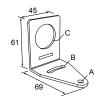




# Brackets

### SMB30A

- Right-angle bracket with curved slot for versatile orientation Clearance for M6 (% in) hardware Mounting hole for 30 mm sensor 12-ga. stainless steel ٠
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#### SMB30FA

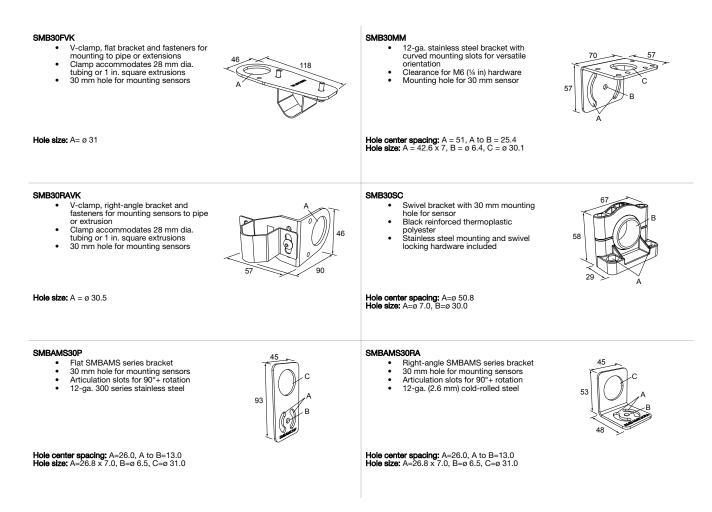
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- Swivel bracket with tilt and pan
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- swiver bracket with tilt and pan movement for precise adjustment Mounting hole for 30 mm sensor 12-ga. 304 stainless steel Easy sensor mounting to extrude rail T-slot
- Metric and inch size bolt available



Bolt thread: SMB30FA, A= 3/8 - 16 x 2 in; SMB30FAM10, A= M10 - 1.5 x 50 Hole size: B= ø 30.1

Hole center spacing: A to B=40 Hole size: A=ø 6.3, B= 27.1 x 6.3, C=ø 30.5



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