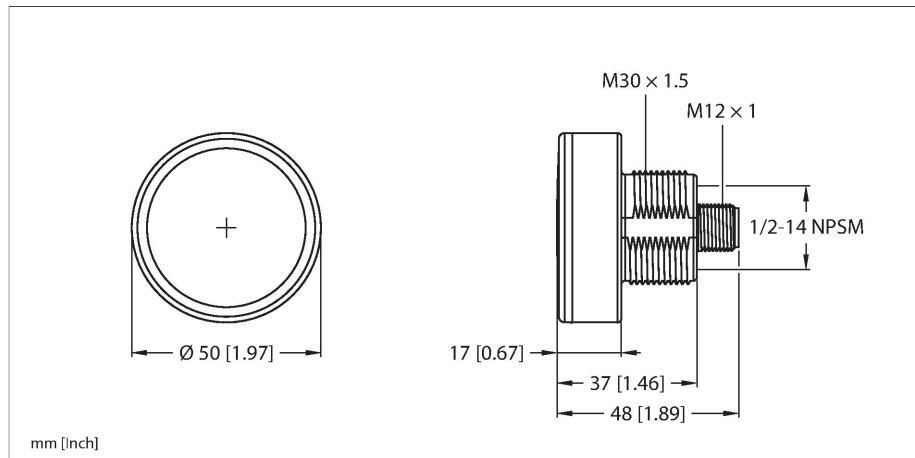


K50PCLRGB7AQ

LED Signal Light



Technical data

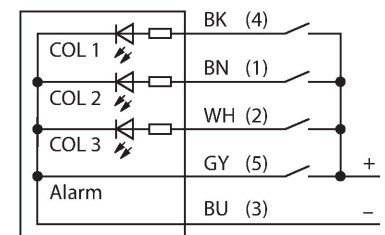
Type	K50PCLRGB7AQ
ID	3813339
Signal and display data	
Purpose	LED indicator light
Light type	RGB
Dimmable	No
Features of color 1	Green, Programmable, 46.6 lm
Features of color 2	Red, 26 lm
Features of color 3	Yellow, 36.4 lm
Features of color 4	Blue, 9 lm
Features of color 5	White, 30.9 lm
Features of color 6	Turquoise, 31.8 lm
Features of color 7	Magenta, 19.1 lm
Acoustic signal	Key adjustable, 92 dB
Operating voltage U_B	12...30 VDC
DC rated operating current I_o	≤ 83 mA
Input type	Bimodal (PNP/NPN)
Response time typical	< 250 ms
Mechanical data	
Cascadable	No
Design	Cylinder, threaded, K50 Pro Compact
Dimensions	Ø 50 x 48 mm
Housing material	Plastic, PC
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1
Number of cores	8
Ambient temperature	-40...+50 °C



Features

- RGB LED display with beeper
- Mechanical screw-in thread M30 × 1.5
- Protection classes IP67/IP69K
- In the standard settings, up to seven colors can be displayed in accordance with the logic table (COL 1, COL 2, COL 3, flashing function)
- Up to seven different beeps can be activated in the standard settings
- Can be configured using Pro Editor, up to 14 colors can be displayed, range of lighting animations, up to 12 different beeps, volume control in three increments (low/medium/high), adjustable I/O-block compatibility
- M12 × 1 male connector
- Operating voltage 12...30 VDC

Wiring diagram



Functional principle

These lights have RGB LEDs. Four input signals enable one of seven predefined colors to be controlled when using the standard settings, with an optional flashing function if required. The logic table shows which input needs to be connected. Using the Pro Editor software, the advanced settings allow these lights to be assigned up to 14 predefined colors. The major advantage of these LEDs is the color fidelity and luminance. Compared to their predecessors, a large number of variants can be produced with just a single light.

Technical data

Relative humidity	0...90 %
Protection class	IP67 IP69K
Tests/approvals	
Approvals	CE, UL listed

The wiring diagram shows a PNP pin assignment.

Excess Gain Curve

	R	Y	G	T	B	M	W
COL1	x	x				x	x
COL2		x	x	x			x
COL3				x	x	x	x