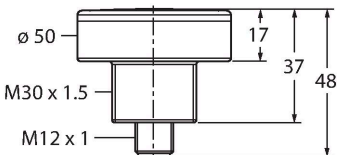


K50CL2RGBKQ
LED Signal Light – Beacon



Technical data

Type	K50CL2RGBKQ
ID	3807256
Signal and display data	
Purpose	LED indicator light
Function	Spotlight
Light type	RGB
LED service life (L70)	50000 h
Dimmable	Programmable
Features of color 1	RGB
Special features	Wash down
Electrical data	
Operating voltage U_B	18...30 VDC
DC rated operating current I_o	≤ 40 mA
Max. current consumption per color	150 mA
Communication protocol	IO-Link
Output function	NO contact, Potential-free
Input type	Communication protocol
Response time typical	< 30 ms
IO-Link	
IO-Link specification	V 1.1
Communication mode	COM 2 (38.4 kBaud)
Process data width	16 bit
Frame type	Type_2_2
Function pin 4	IO-Link
Maximum cable length	20 m
Included in the SIDI GSDML	Yes

Features

- All-round LED display
- Individually controllable
- Mechanical screw-in thread M30 × 1.5
- Protection classes IP67/IP69K
- Up to 12 predefined colors or millions of customized colors can be displayed
- Flashing function, alternation, two-colored displays and intensity check
- M12 × 1 male connector
- Operating voltage 18...30 VDC

Wiring diagram



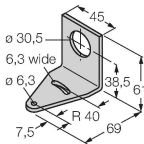
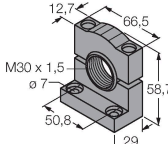
Functional principle

These indicator lights have RGB LEDs. Using IO-Link, 1 of up to 12 predefined colors can be activated or 1 of up to 1,000,000 desired colors can be set using X and Y coordinates. The functions include a flashing function, intensity check and animations such as rotation, alternation and 2-colored displays. 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

Mechanical data	
Cascadable	No
Design	Puck, K50L
Dimensions	Ø 50 x 48 mm
Housing material	Plastic, PC, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1
Number of cores	4
Ambient temperature	-40...+50 °C
Relative humidity	0...90 %
Protection class	IP66 IP67 IP69
Tests/approvals	
MTTF	249 years acc. to SN 29500 (Ed. 99) 40 °C
Approvals	CE, UL listed

Accessories

SMB30A	3032723	SMB30SC	3052521
	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread		Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable