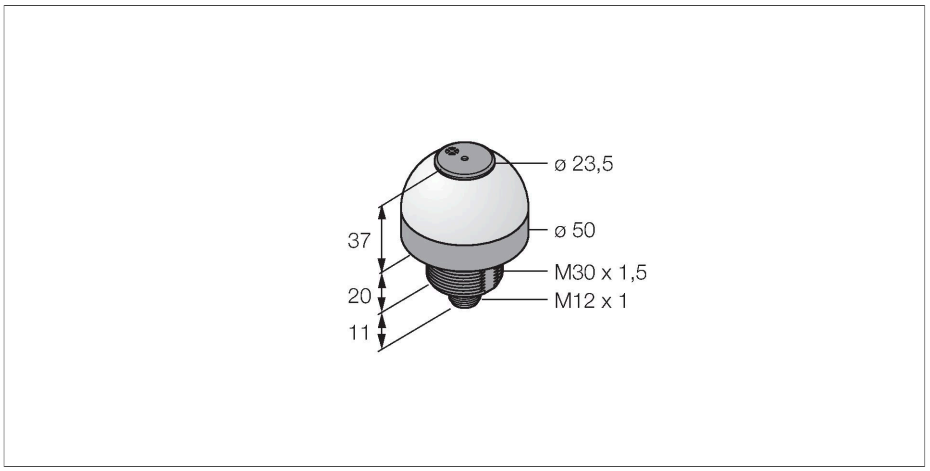
K50L2RGBKA1Q
LED Indicator – Beacon with Audible Signal



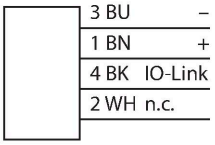
Technical data

Type	K50L2RGBKA1Q
ID	3802160
Signal and display data	
Purpose	LED indicator light
Function	Spotlight
Light type	RGB
Dimmable	Programmable
Features of color 1	RGB, Can be set via IO-Link
Acoustic signal	Key adjustable, 75 dB
Special features	Wash down
Electrical data	
Operating voltage	18…30 VDC
DC rated operational current	≤ 40 mA
Max. current consumption per color	150 mA
Max. current consumption of beeper	220 mA
Communication protocol	IO-Link
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

- LED all-round visible
- Continuous signal: 75dB
- Individually controllable
- Mechanical screw-in thread M30x1.5
- Protection class IP50
- Up to 12 predefined colors or millions of customized colors can be displayed
- Flashing function, alternation, two-colored displays and intensity check
- Male M12 x 1, 5-pin
- Operating voltage 18…30 VDC

Wiring diagram



Functional principle

These 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 two-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.

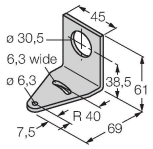
K50L2RGBKA1Q| 17-11-2023 13-51 | Technical modifications reserved

Technical data

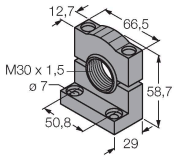
Mechanical data	
Cascadable	No
Design	Dome, K50L
Dimensions	Ø 50 x 68 mm
Housing material	Plastic, PC ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-20…+50 °C
Relative humidity	0…90 %
Protection class	IP50
Tests/approvals	
Approvals	CE, UL listed

Accessories

SMB30A	3032723
	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



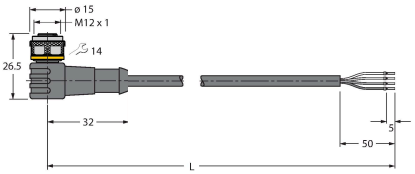
SMB30SC	3052521
	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



Accessories

Dimension drawing	Type	ID	
	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

	WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval



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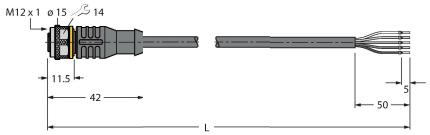
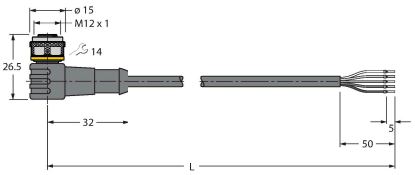
	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
	WKC4.5T-2/TEL	6625028	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

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