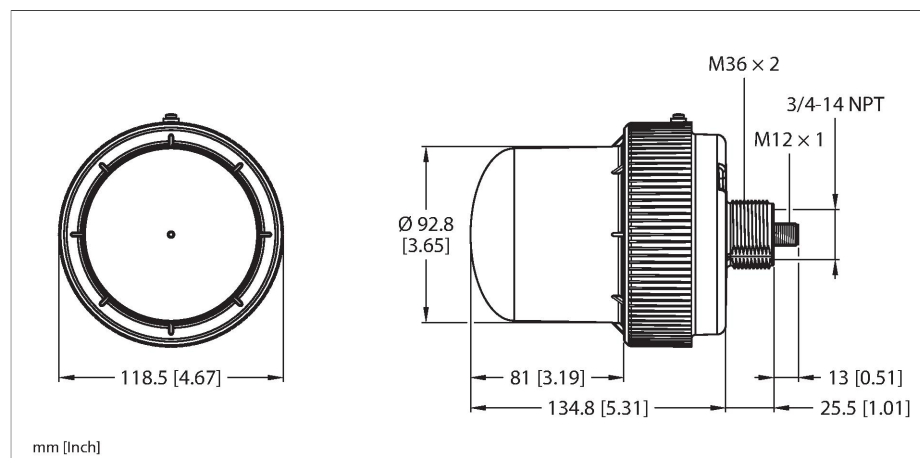


K100PLRGB7Q LED Signal Light



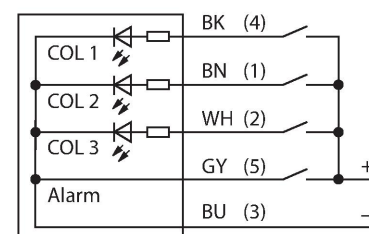
Technical data

Type	K100PLRGB7Q
ID	3813082
Signal and display data	
Purpose	LED indicator light
Light type	RGB
Aperture angle degree	360 °
LED service life (L70)	42000 h
Dimmable	Potentiometer
Features of color 1	Red, 36 lm
Features of color 2	Green, 73 lm
Features of color 3	Blue, 14 lm
Features of color 4	Yellow, 91 lm
Features of color 5	Magenta, 47 lm
Features of color 6	Turquoise, 83 lm
Features of color 7	White, 112 lm
Electrical data	
Operating voltage U_b	12...48 VDC
DC rated operating current I_o	≤ 425 mA
Input power	12.48 W
Response time typical	< 200 ms
Mechanical data	
Cascadable	No
Design	Dome
Dimensions	Ø 118.5 x 173.2 mm
Housing material	Plastic, PC
Electrical connection	Connector, M12 × 1
with motion switch	no

Features

- All-round LED display
- Mechanical screw-in thread M36 × 2.0
- Protection class IP66
- Up to seven colors can be displayed in accordance with the logic table (COL 1, COL 2, COL 3)
- Can be configured using Pro Editor, can display up to 14 colors, various lighting animations, configurable I/O-block compatibility
- M12 × 1 male connector, 5-pin

Wiring diagram



Functional principle

These indicator lights have RGB LEDs. Four input signals can be used to control one of seven predefined colors when using the standard settings, and to activate the optional beeper. The logic table shows which input needs to be connected. With the Pro Editor software, these lights can be assigned user-defined colors in the advanced settings and the functionality of the beeper can be adjusted. The major advantage of these LEDs is the color fidelity and luminance. The wiring diagram shows a PNP pin assignment.

Technical data

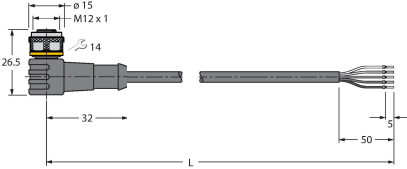
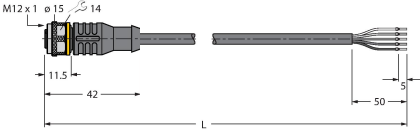
Ambient temperature	-40...+60 °C
Storage temperature	-40...+70 °C
Relative humidity	90 %
Protection class	IP66
Tests/approvals	
Approvals	CE, UL listed

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

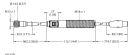
Accessories

LMB36RA	3813539	SA-M36E12	3813537
SA-M36SOP	3813538		

Accessories

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

Accessories

Dimension drawing	Type	ID	
	MQDC-506-USB	3803770	USB serial converter, for parameterizing PRO indicator lights or sensors via PC, female connector, M12 x 1, 5-pin to plug, USB type A, length 0.7 m, can be extended to a maximum of 30 m, supplies the connected device with 20 V, supports Windows 7 (driver required) and Windows 10