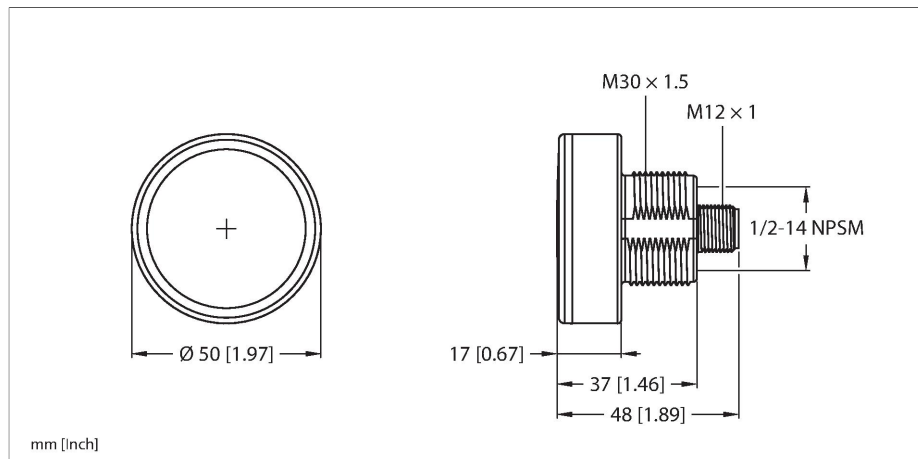


K50PTCD4KQ

Pick-to-Light – Placement Sensor

Capacitive Button with Display



Technical data

Type	K50PTCD4KQ
ID	3812686
Signal and display data	
Purpose	Pick-to-Light
Function	Touch Button
Light type	RGB
Switch Function	Programmable
Dimmable	Programmable
Features of color 1	Can be set via IO-Link, Programmable
Electrical data	
Operating voltage U_B	10...30 VDC
DC rated operating current I_o	≤ 100 mA
Communication protocol	IO-Link
Output function	Programmable, PNP/NPN
Response time typical	< 300 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
Mechanical data	
Design	With display, K50 Pro Compact Display

Features

- 4-digit, 7-segment display
- Two independent touch zones
- Two independent capacitive buttons
- RGB LED display
- Control of user-defined or predefined light colors
- Flashing function, alternation, 2-color display, intensity check and other animations
- Parameterizable via IO-Link
- High immunity to false actuation by splash water, detergents, oils and other contaminants

Wiring diagram



Functional principle

K50 Pro pick-and-place sensors are equipped with multifunctional RGB LEDs, two independent capacitive buttons and a 4-digit, 7-segment display and can implement a powerful picking system when used in combination. With fast response times and flexible installation options, this pick-to-light system improves speed, productivity and quality in picking and placement applications. Using IO-Link, 1 of up to 12 predefined colors can be controlled 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-color displays.

Technical data

The major advantage of these LEDs is the color fidelity and luminance.

Dimensions	Ø 50 x 37 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	IP67 IP69K
Tests/approvals	
Approvals	CE, cULus, UKCA