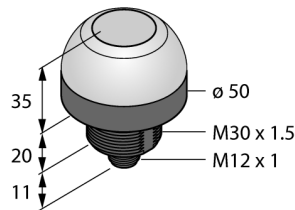


Pick-to-Light Placement Sensor Capacitive Sensor K70ALBT2RGHQ



Type	K70ALBT2RGHQ
ID	3096896

Signal and display data	
Purpose	Pick-to-Light
Function	Touch Button
Light type	Red Green
LED service life (L70)	50000 h
Switch Function	Latching
Features of color 1	Red, Permanently on, 26 lm
Features of color 2	Green

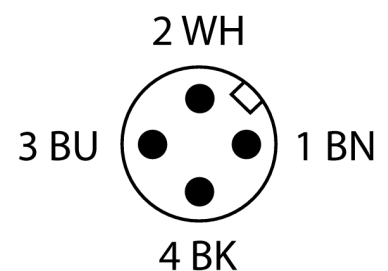
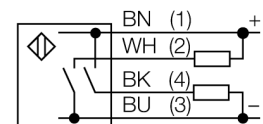
Electrical data	
Operating voltage U_s	12...30 VDC
DC rated operating current I_s	≤ 150 mA
Max. current consumption per color	220 mA
Output function	NO contact, PNP/NPN
Input type	Bipolar (PNP/NPN)22
Response time typical	< 150 ms

Mechanical data	
Design	Dome, K70
Dimensions	Ø 70 x 103.5 mm
Housing material	Plastic, PC, Black
Window material	Plastic, diffuse
Electrical connection	Connector, M12 x 1, PVC
Number of cores	5
Ambient temperature	-40...+50 °C
Relative humidity	0...90%
Protection class	IP65

Tests/approvals	
Approvals	CE, cULus listed

- Protection classes IP67 IP69K
- M12 x 1 male connector, 5-pin
- Disabled: No color
- Enabled: Green (COL 2)
- Operating voltage 10...30 VDC
- Bipolar circuit
- NO contact
- Hold function
- Capacitive sensor of the second generation
- High immunity to false actuation by splashing, detergents, oils and other contaminants

Wiring Diagram



Functional principle

The K70 pick-and-place sensor is suitable for many assembly and placement sequences. LED light is reflected perfectly by the entire dome. The device has two display colors depending on the version: Color 1 Shows the disabled state, color 2 the enabled state. Since the device has no inputs, a color change is exclusively realized by touching the sensor (enable). Devices with a hold function keep the enabled state, even when the contact ends.