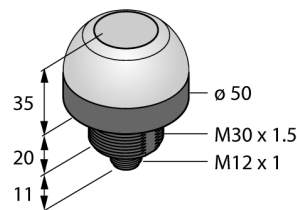


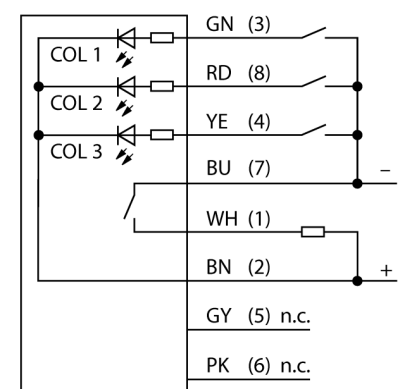
Pick-to-Light Placement Sensor Capacitive Sensor K50ANT2WGBF2Q



Type	K50ANT2WGBF2Q
ID	3800232
Signal and display data	
Purpose	Pick-to-Light
Function	Touch Button
Light type	White Green Blue
Switch Function	Momentary
Features of color 1	White, Permanently on
Features of color 2	Green, 29 lm
Features of color 3	Blue
Special features	Wash down
Electrical data	
Operating voltage U_s	12...30 VDC
DC rated operating current I_s	≤ 150 mA
Max. current consumption per color	75 mA
Output function	NO contact, NPN
Input type	minus-schaltend
Response time typical	< 50 ms
Mechanical data	
Design	Dome, K50
Dimensions	Ø 50 x 66 mm
Housing material	Plastic, PC, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	8
Ambient temperature	-40...+50 °C
Relative humidity	0...90%
Protection class	IP67 IP69

- Protection classes IP67/IP69K
- M12 × 1 male connector, 8-pin
- Colors: White (COL 1), Green (COL 2), Blue (COL 3)
- NPN switching output, NO contact
- Capacitive sensor of the second generation
- High immunity to false actuation by splashing, detergents, oils and other contaminants

Wiring Diagram



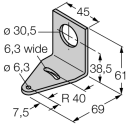
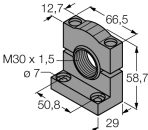
Functional principle

The K50 pick-and-place sensor is suitable for many mounting and component placement applications. 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

Tests/approvals	
MTTF	146 years acc. to SN 29500 (Ed. 99) 40 °C
Approvals	CE, cULus listed

keep the enabled state, even when the contact ends.

Accessories

Type code	Ident no.		Dimension drawing
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	
SMB30FA	3074005	Montagewinkel; Werkstoff VA 1.4401	