



Photoelectric Sensors  
**BKT M-15C-U-S4**  
**Order Code: BKT000N**



**Electrical data**

Input function	Same function as button
Load resistance RL min. (Analog V)	2.2 kOhm
No-load current Io max. at Ue	80 mA
Operating voltage Ub	10...30 VDC
Output resistance Ra	10.0 kOhm
Rated operating current Ie	200 mA
Rated operating voltage Ue DC	24 V
Ripple max. (% of Ue)	10 %
Switching frequency	10000 Hz
Turn-off delay toff max.	0.05 ms
Turn-on delay ton max.	0.05 ms
Voltage drop Ud max. at Ie	2 V

**Environmental conditions**

Ambient temperature	-10...55 °C
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms, 3x6
EN 60068-2-6, Vibration	10...55 Hz, amplitude 1.5 mm, 3x2 h
IP rating	IP67

**Interface**

Analog output	Analog, voltage 0...5.5 V
Duration of time function	20 ms
Switching output	PNP/NPN normally open/normally closed (NO/NC)
Time function	switch-off delay

**Remarks**

Do not press key using a pointed tool.  
 Order accessories separately.  
 For additional information, refer to user's guide.  
 Reference object (target) for analog output: gray card, 100 x 100, 90 % remission, axial approach.  
 Reference object (target): Color bar card, 100 x 100, contrast yellow/white and blue/black, lateral approach of color bars.  
 The sensor is functional again after the overload has been eliminated.

**Material**

Housing material	Zinc, Die casting, Painted
Material sensing surface	Glass
Surface protection	Painted

**Mechanical data**

Dimension	31 x 97.8 x 62.3 mm
Mounting part	Screw M5

**Optical features**

Ambient light max.	5000 Lux
Beam characteristic	Focused
Light spot size	Ø 3 mm at 9 mm
Light type	White light
Principle of optical operation	Diffuse sensor, focused
Switching function, optical	Light/dark switching
Wave length	400...700 nm

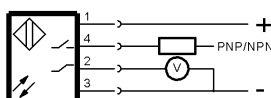
**Range/Distance**

Range	7...11 mm
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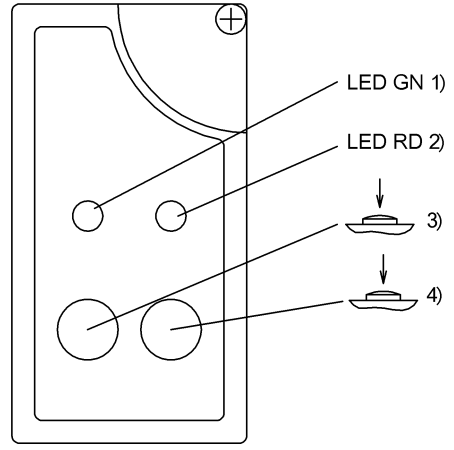
**Connector Drawings**



**Wiring Diagrams**



## Help Views



- 1) stability
- 2) Output function
- 3) Store background
- 4) Store marking

## Opto Symbols

