

# Photoelectric Sensor

## BKT M-11-U-03

### Sn=9mm

### Contrast sensor

#### Common Data

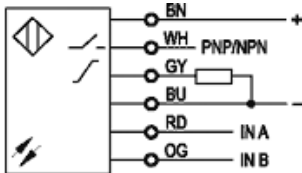
Series	BKT
Sensortype	Contrast sensor
Switching frequency	10000 Hz
Rated operating distance Sn in mm	9
asured operating distance Sa	with Teach in adjustable
Indication Supply Voltage	yes
Indication Switching element on	yes, red LED
Indication Special funktion	yes, wrong adjustment
Ambient temperature	-10...+55°C
On-delay	50µs
Off-delay	50µs
Light	Red + Green
Sensitivity Adjustment	Teach in
Special funktion	Time funktion and remote
switchable	
Diameter of active zone	Spotsize 1,5x5mm
Permissable ambient light	3000 Lux
Output funktion	light-on or dark-on

#### Mechanical Data

Measurements	80x70x30
Shock	Halfsinus, 30gn, 11ms
Vibration	10...55Hz, 1,5mm Amplitude 3x2h
Housing material	ZAMA
Material of sensing face	Glass
Degree of protection	IP67
Connection	Cable
Weigth	600g

#### Electrical Data

Current	DC
Switching funktion	normally-open
Output	PNP/NPN switchable
Rated operational voltage Ue	24V DC
Rated operational current Ie	200mA
Supply Voltage	10...30V DC
Ripple	< 6%
Frequency of Supply Voltage	DC
No-load supply current	<80mA
Voltage drop	<1,5V
Short protection	yes
Rated insulation voltage	75V DC
max. Load capacity	1µF



Utilization categories  
Insulation class

Datasheet number:

Definitions see general catalog.  
If not otherwise noted, ratings according to  
IEC 60947-5-2 (DIN EN60947-5-2)

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