

## Photoelectric Sensor BKT 21M-002-N-S4 Sn=21mm Contrast sensor

### Common Data

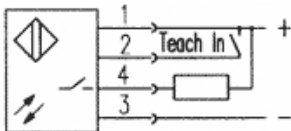
Series	BKT
Sensortype	Contrast sensor
Switching frequency	5000 Hz
Rated operating distance Sn in mm	21
asured operating distance Sa	17...21
Repeat accuracy	< 2%
Hysteresis	< 20%
Indication Supply Voltage	no
Indication Switching element on	yes, yellow LED
Indication Special funktion	Stability indication green
LED,Error indication red/green LED	
Ambient temperature	-25...+55°C
On-delay	< 0,1ms
Off-delay	< 1ms
Light	White light
Sensitivity Adjustment	Teach in
Special funktion	Stabilization indicator
Permissible ambient light	10000 Lux
Output funktion	light-on or dark-on

### Mechanical Data

Measurements	50x42,5x15
Shock	Halfsinus, 30gn, 11ms
Vibration	55Hz, 1mm Amplitude 3x30Min
Housing material	Gd-Zn, nickel plated
Material of sensing face	PMMA
Degree of protection	IP67
Connection	Connector S4 (M12)
Weigth	80g

### Electrical Data

Current	DC
Switching funktion	normally-open
Output	NPN
Rated operational voltage Ue	24V DC
Rated operational current Ie	100mA
Supply Voltage	10...30V DC
Ripple	< 15% from UB
Frequency of Supply Voltage	DC
No-load supply current	<30mA
Voltage drop	<2V
Short protection	yes
Protected against polarity reversal	yes
Rated insulation voltage	75VDC
max. Load capacity	<1000nF



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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