

Photoelectric Sensor

BKT M-15L-U-S 4

Sn=9mm

Contrast sensor

Common Data

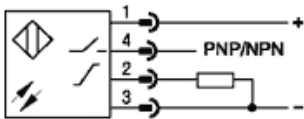
Series	BKT
Sensortype	Contrast sensor
Switching frequency	10000 Hz
Rated operating distance Sn in mm	9
asured operating distance Sa	with Teach in adjustable
Indication Supply Voltage	yes
Indication Switching element on	yes, red LED
Indication Special funktion	yes, wrong adjustment
Ambient temperature	-10...+55°C
On-delay	50µs
Off-delay	50µs
Light	Red + Green
Sensitivity Adjustment	Teach in
Special funktion	Time funktion
Diameter of active zone	Spotsize 1,5x5mm
Permissible 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	Connector S4 (M12)
Weigth	500g

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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