

Photoelectric Sensor BOS 25K-5-M25-P-S 4 Sn=250mm Diffuse, Background suppression

Common Data

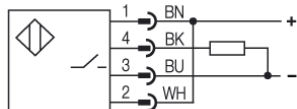
Series	25K
Sensortype	Diffuse, Background suppression
Switching frequency	500 Hz
Rated operating distance Sn in mm	250
assured operating distance Sa	adjustable
Hysteresis	< 5%
Indication Supply Voltage	no
Indication Switching element on	yes, red LED
Indication Special funktion	LED green Stability indicator
Ambient temperature	-15...+55°C
On-delay	< 1ms
Off-delay	< 1ms
Light	Infrared
Sensitivity Adjustment	Poti
Blind zone / min Reflector distance	50mm/-
Special funktion	Background suppression
Permissible ambient light	3000 Lux
Output funktion	light-on or dark-on

Mechanical Data

Measurements	50x50x16
Shock	Halfsinus, 30gn, 11ms
Vibration	10...55Hz, 1,5mm Amplitude 3x2h
Housing material	ABS UL 94 V-O
Material of sensing face	PMMA
Degree of protection	IP65
Connection	Connector S4 (M12)
Weight	80g

Electrical Data

Current	DC
Switching funktion	NO/NC
Output	PNP
Rated operational voltage Ue	24V DC
Rated operational current Ie	100mA
Supply Voltage	10...30V DC
Ripple	max. 6% from UB
Frequency of Supply Voltage	DC
Voltage drop	<1,5V
Short protection	yes
Protected against polarity reversal	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)

Balluff GmbH
Schurwaldstrasse 9
73765 Neuhausen a.d.F.
Phone (07158) 173-0 Fax (07158) 5010

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