

Photoelectric Sensor

BOS 21M-PUS-LH12-S4

Sn=100mm

Diffuse, Background suppression

Common Data

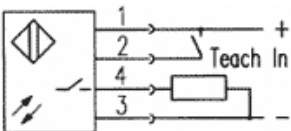
Series	21M
Sensortype	Diffuse, Background suppression
Switching frequency	1000 Hz
Rated operating distance Sn in mm	100
asured operating distance Sa	50...100
Repeat accuracy	0,01mm
Hysteresis	< 20%
Indication Supply Voltage	no
Indication Switching element on	yes, yellow LED
Indication Special funktion	Stability indication green
LED,Error indication red/green LED	
Ambient temperature	-10...+50°C
On-delay	= 0,5ms
Off-delay	< 1ms
Light	Laser red light 650nm
Sensitivity Adjustment	Teach in
Special funktion	Stabilization indicator
Permissible ambient light	5000 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, Epoxy-coated
Material of sensing face	PMMA
Degree of protection	IP67
Connection	Connector S4 (M12)
Weigth	80g

Electrical Data

Current	DC
Switching funktion	normally-open
Output	PNP
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	<60mA
Voltage drop	<2V
Short protection	yes
Protected against polarity reversal	yes
Rated insulation voltage	75VDC
max. Load capacity	=1000nF



Utilization categories
Insulation class

DC 13
II

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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