

Photoelectric Sensor BOS 21M-NUS-RH12-S4 Sn=200mm Diffuse, Background suppression

Common Data

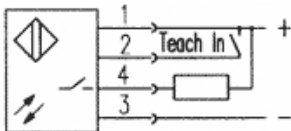
Series	21M
Sensortype	Diffuse, Background suppression
Switching frequency	1000 Hz
Rated operating distance Sn in mm	200
assured operating distance Sa	20...200
Repeat accuracy	< 1%
Hysteresis	< 20%
Indication Supply Voltage	no
Indication Switching element on	yes, yellow LED
Indication Special funktion	Stability indication green
LED, Error indication red/green LED	
Ambient temperature	-10...+50°C
On-delay	< 0,5ms
Off-delay	< 1ms
Light	Red light, 670nm
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, 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	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	<50mA
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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