

Photoelectric Sensor

BOS 21M-NUS-RV13-S4

Sn=200mm

Diffuse, Fore-/Background suppression

Common Data

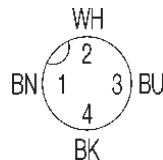
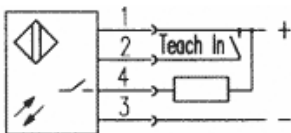
Series	21M
Sensortype	Diffuse, Fore-/Background
suppression	
Switching frequency	1000 Hz
Rated operating distance Sn in mm	200
asured operating distance Sa	70...200
Repeat accuracy	0,01mm
Hysteresis	< 20%
Indication Supply Voltage	no
Indication Switching element on	yes, yellow LED
Indication Special funktion	Stability indication green
LED,Error indication red/green LED	
Ambient temperature	-10...+50°C
On-delay	= 0,5ms
Off-delay	< 1ms
Light	Red light, 670nm
Sensitivity Adjustment	Teach in
Special function	Stabilization indicator
Permissable ambient light	5000 Lux
	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 function	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

DC 13
II

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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