

# Photoelectric Sensor BOD 63M-LA01-S115 Sn=6000mm Distancesensor

## Common Data

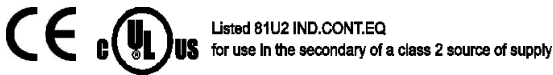
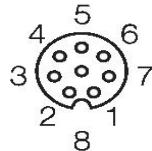
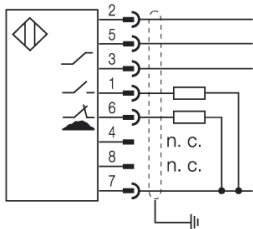
Series	BOD
Sensortype	Distancesensor
Switching frequency	100 Hz
Rated operating distance Sn in mm	6000
assured operating distance Sa	500...6000mm
Repeat accuracy	<10mm
Hysteresis	<20mm
Indication Supply Voltage	yes, green LED
Indication Switching element on	yes, yellow LED
Indication Special funktion	LED red Stability indicator
Ambient temperature	-10...+55°C
On-delay	<5ms
Off-delay	<5ms
Light class 2	Laser, red, 660nm, Protection class 2
Sensitivity Adjustment	4 turn Poti
Blind zone / min Reflector distance	500mm
Special funktion	Analog output 0...10V
Diameter of beam at Sn/2	5mm
Diameter of active zone	10mm at Sn max. (typ.)
Permissable ambient light	10000 Lux
Output funktion	analog and Switching output

## Mechanical Data

Measurements	90x70x35
Shock	Halfsinus, 30gn, 11ms
Vibration	55Hz, 1mm Amplitude 3x30 M
Housing material	Al
Material of sensing face	Glass
Degree of protection	IP65
Connection	Connector S115
Weigth	260g

## Electrical Data

Current	DC
Switching funktion	analog / normally-open
Output	0...10V/PNP
Rated operational voltage Ue	24V
Rated operational current Ie	200mA
Supply Voltage	15...30V
Ripple	max. 15% from UB
Frequency of Supply Voltage	DC
No-load supply current	<70mA
Voltage drop	<2,5V
Short protection	yes
Protected against polarity reversal	yes
Rated insulation voltage	75V DC
max. Load capacity	<470nF



Utilization categories  
Insulation class

DC13

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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