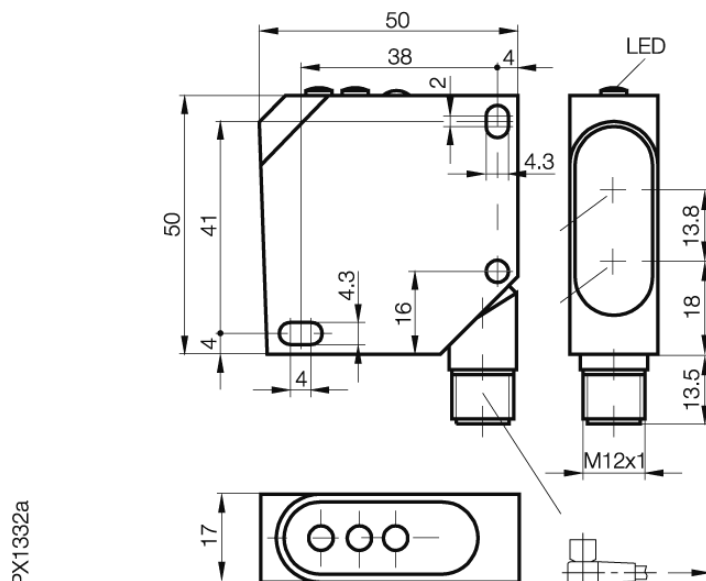


BOD 26K-LA01-S4-C
Photoelectric Sensors
Distance Sensors

BALLUFF
sensors worldwide



Electrical data:

Connection	Connector M12, 4-pin
Rated operational voltage	24 DC V
Pulse width	8 μ s
Impulse frequency	6 kHz
Output signal	0...10 V DC
Switching frequency	400 Hz
Rising time (10% to 90%)	3 ms
Dropping time	2 ms
Load current capacity max. (I _e)	3 mA
Current Consumption I _o max. (No Load)	35 mA
Supply voltage min.	18 V
Supply voltage max.	28 V
Voltage ripple max.	10%

Mechanical data:

Temperature drift max.	18 μ m/ $^{\circ}$ C
Sensing face material	PMMA
Housing material	ABS
adjusting indicate	ja
Linearity max.	1 %
Sensitivity Adjustment	fix
permitted cable length max.	100m
Resolution max.	0.08 mm
Effective working dist. min.	45 mm
Effective working dist. max.	85 mm
Ambient temperature max.	+45 $^{\circ}$ C
Ambient temperature min.	0 $^{\circ}$ C

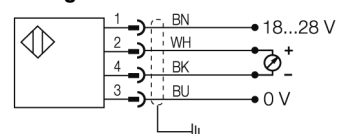
General data:

Protected against reversal stability output	yes
Supply voltage indication	yes
Function indication	yes, red LED
Short circuit protected	yes
Degree of protection IP	IP 67
Protected against polarity reversal	yes
Type	Distance sensor

Optical data:

Emitter Light Source	Visible Red Laser
Laser safety class	2
Wavelength of Emitted Light	670 nm
Beam width	0,8 mm
Reference material	Kodak white, 90%, 100x100mm
Radiation divergence	0,5mrad
pulse output	2
timebase	250ms
Permissible ambient light	5000 Lux
Light Spot diameter	0.8mm at 65mm
Grey shift max.(90%/18% Reflectivity)	<3.0 %
light spot	<0,8mm in measuring distance
	65mm
Pulse width t	8
Pulse repetition frequency f	6000

Wiring:



www.balluff.com

Balluff Europe: +49 7158 173 -0
 Balluff USA: 1-800-54 3-83 90
 Balluff Asia: +86 21-50 64 41 31

Online Productinformation
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