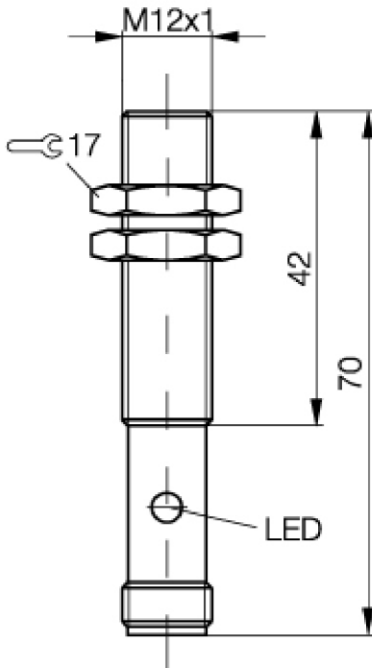


Diffuse
 M12x1
 Sn = 100 mm



PX1252



Utilization categories DC13
 Insulation class 1

If not differently indicated,
 all values by IEC 947-5-2 (DIN EN60947-5-2)

Sensing distance measured with :
 Kodak white card 100mm x 100mm, 90% reflection
 Specifications subject to change

Balluff GmbH
 Postfach 1160
 73761 Neuhausen
 Telefon (07158) 173-0
 Telefax (07158) 5010

Common Data

Sensortype	Diffuse
Switching frequency	200 Hz
Rated operating distance Sn	mm 100
Measured operating distance Sa	mm 80% from Sn
Repeat accuracy	< 5% from Sn
Hysteresis	< 10%
Indication switching element	yes, yellow LED
Ambient temperature	°C -15...+55°C
On/Off-delay	< 2,5ms
Light	Infrared
Blind zone / min reflectore distance	1 mm
Permissible ambient light	lux 5000

Mechanical Data

Measurements BxHxT or DxT	mm M12x70
Shock test (EN 60068-2-27)	Halfsinus, 30gn, 11ms
Vibration test (EN 60068-2-6)	10...55Hz, 1,5mm Amplitude 3x2h
Housing material	nickel plated brass
Material of sensing face	PMMA
Degree of protection	IP IP67
Connection	Connector S4 (M12)
Weight	30g
Recommended connector	BKS-S20-4

Electric Data

Current	DC
Switching function	normally-open
Output	PNP
Rated operational current Ie	mA 200mA
Supply voltage	V 10...30V DC
Ripple	% < 10% from UB
No-load supply current	mA <20
Voltage drop	V <2,5V
Short protection	yes
Protectde against polarity rev	yes
Rated insulation voltage	250V AC
Output resistance	33kOhm
max. load capacity	1µF

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