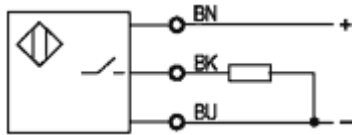
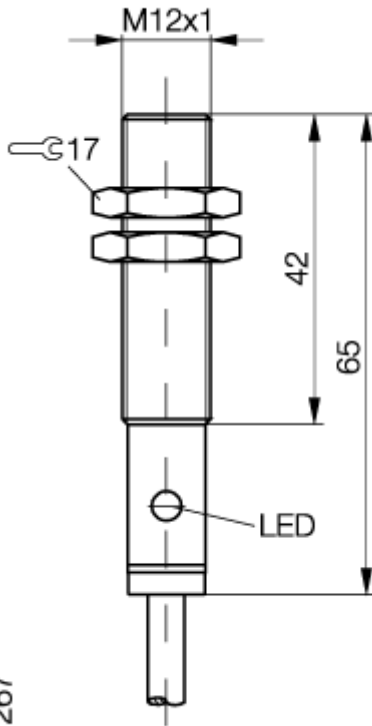


Diffuse
M12x1
Sn = 200 mm



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 200
Assured 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
Permissable ambient light	lux 5000

Mechanical Data

Measurements BxHxT or DxT	mm	M12x65
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		Cable, 3m
Weight		136g with 3m Cable
Type of cable		PVC

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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