

Diffuse
 M18x1
 Sn = 100 mm

Common Data

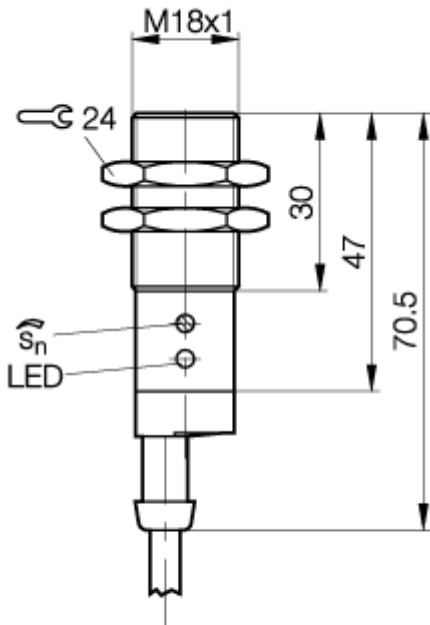
Sensortype	Diffuse
Switching frequency	100 Hz
Rated operating distance Sn	mm 100
Measured operating distance Sa	mm adjustable
Repeat accuracy	< 5% from Sn
Hysteresis	< 25%
Indication supply voltage	no
Indication switching element	yes
Indication special function	no
Ambient temperature	°C -15...+55°C
On/Off-delay	< 5ms
Light	Infrared
Sensitivity adjustment	Poti
Permissible ambient light	lux 5000

Mechanical Data

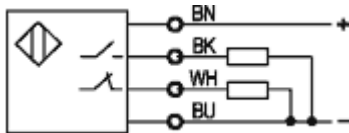
Measurements BxHxT or DxT	mm	M18x70,5
Shock test (EN 60068-2-27)		Halfsinus, 30gn, 11ms
Vibration test (EN 60068-2-6)		10...55Hz, 1,5mm Amplitude 3x2h
Housing material		nickel plated brass
Material of sensing face		PMMA
Degree of protection	IP	IP67
Connection		Cable, 3m
Type of cable		PVC

Electric Data

Current	DC
Switching function	normally-open/normally-closed
Output	PNP
Rated operational voltage Ue	V 24V DC
Rated operational current Ie	mA <200mA
Supply voltage	V 10-30V
Ripple	% < 10% from UB
Voltage drop	V <2,5V
Short protection	yes
Protectde against polarity rev	yes
Rated insulation voltage	75V DC
Output resistance	33kOhm
max. load capacity	0,5µF



PX0420



Approvals



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

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21.01.2004 / Online-Information

