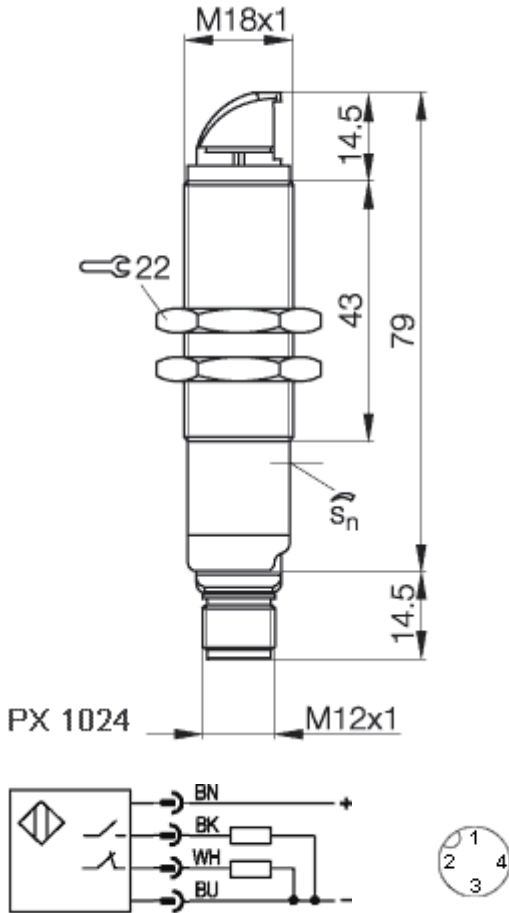


Diffuse
 M18x1
 Sn = 250 mm



Approvals



Utilization categories DC13
 Insulation class II

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

Sensing distance measured with :
 Kodak white card 200mm x 200mm, 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	1,5 kHz
Rated operating distance Sn	mm 250
Indication supply voltage	LED green
Indication switching element	LED yellow
Ambient temperature	°C -10...+50°C
On/ Off-delay	333µs
Light	Laser, red, 650nm
Sensitivity adjustment	Poti

Mechanical Data

Measurements BxHxT or DxT	mm	M18x89
Shock test (EN 60068-2-27)		Halbsinus, 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		60g
Recommended connector		BKS-S20-9

Electric Data

Current		DC
Switching function		normally-open / normally-closed
Output		PNP
Rated operational voltage Ue	V	24V DC
Rated operational current Ie	mA	100mA
Supply voltage	V	10-30V
Ripple	%	< 10 % from UB
No-load supply current	mA	< 35
Voltage drop	V	< 2
Short protection		yes
Protectde against polarity rev		yes

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