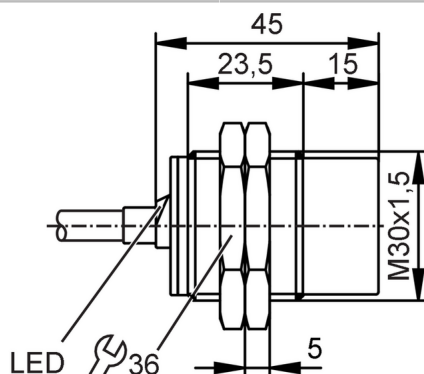




Inductive sensor

IIB3022-BPKG/M/V4A/6M/WH



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	22
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 45

Application

Special feature	Increased sensing range
Application	Use in hygienic areas / regular cleaning processes

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	10; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	100
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	22
Real sensing range Sr [mm]	22 ± 10 %
Operating distance [mm]	0...17.82
Increased sensing range	yes



Inductive sensor

IIB3022-BPKG/M/V4A/6M/WH

Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...15	
Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	0...100
Protection		IP 68; IP 69K	
Tests / approvals			
EMC		EN 61000-4-2 ESD	4 kV CD / 8 kV AD
		EN 61000-4-3 HF radiated	10 V/m
		EN 61000-4-4 Burst	2 kV
		EN 61000-4-6 HF conducted	10 V
		EN 55011	class B
MTTF	[years]	1594	
UL approval		Ta	0...40 °C
		Enclosure type	Type 1
		voltage supply	Limited Voltage/Current
		File number UL	E174191
Mechanical data			
Weight		[g]	320
Housing		Threaded type	
Mounting		non-flush mountable	
Dimensions		[mm]	M30 x 1.5 / L = 45
Thread designation		M30 x 1.5	
Material		housing: stainless steel (1.4404 / 316L); sensing face: PEEK natural; LED window: PEI; lock nuts: stainless steel (1.4404 / 316L)	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	

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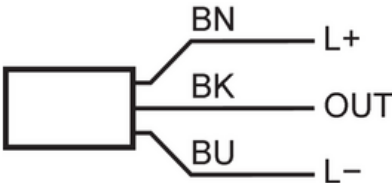
Inductive sensor

IIB3022-BPKG/M/V4A/6M/WH

Electrical connection

Cable: 6 m, PVC, Ø 4.9 mm; 3 x 0.34 mm²

Connection



	Core colors :	
BK =	black	
BN =	brown	
BU =	blue	
BN	L+	
BK	OUT	DO (NO)
BU	L-	
DO: digital output; NO: normally open		