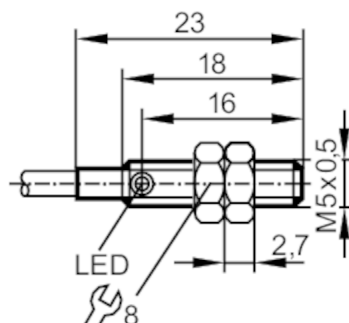




Inductive sensor

IYB31,2-BPKG/V2A



Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 15
Protection class		III
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]	2000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	1.2
Operating distance	[mm]	0...0.97

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 65

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	951

IY5052



Inductive sensor

IYB31,2-BPKG/V2A

Mechanical data		
Weight	[g]	36.4
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M5 x 0.5 / L = 23
Thread designation		M5 x 0.5
Materials		stainless steel (1.4305 / 303); POM

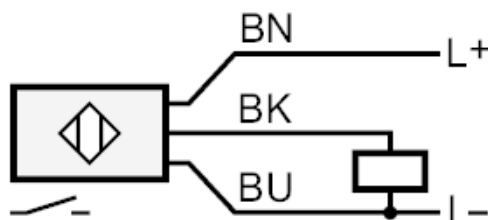
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PUR; 3 x 0.14 mm ²	

Connection



Core colours :

BK =	black
BN =	brown
BU =	blue