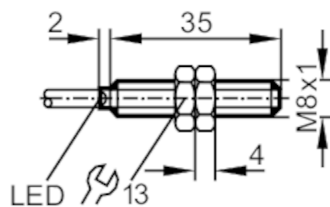




Inductive sensor

IEBC003BASKG/0,23M



Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 10; (only in 3-wire operation)
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.8
Minimum load current	[mA]	2; (only in 2-wire operation)
Max. leakage current	[mA]	0.5; (only in 2-wire operation)
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	3
Operating distance	[mm]	0...2.4

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]	0...70
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	2988

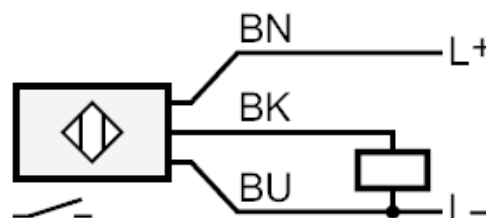
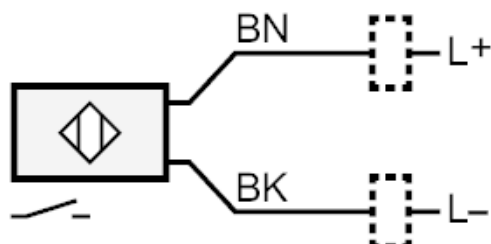
IE5387



Inductive sensor

IEBC003BASKG/0,23M

Mechanical data		
Weight	[g]	22.2
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 37
Thread designation		M8 x 1
Materials		brass white bronze coated; sensing face: LCP
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.23 m, PVC; 3 x 0.14 mm ²		
Connection		



Core colours :

BK = black
BN = brown
BU = blue