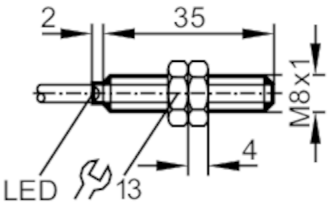
IE5440

Inductive sensor

IEBC003BASKG/0,27M/XHP-4



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	3
Housing		Threaded type
Dimensions	[mm]	M8 x 1 / L = 37
Electrical data		
Operating voltage	[V]	10...30 DC; ("supply class 2" to cURus)
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		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	3
Operating distance	[mm]	0...2.4
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Operating conditions		
Ambient temperature	[°C]	0...70
Protection		IP 67

IE5440

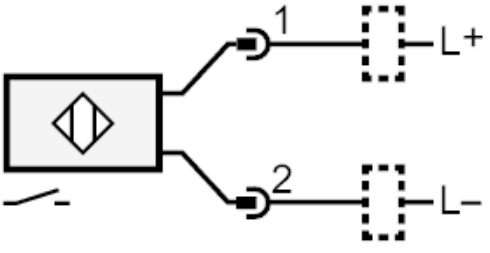
Inductive sensor

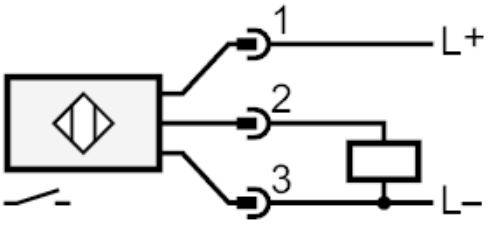
IEBC003BASKG/0,27M/XHP-4

Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	1517	
UL approval		Ta	0...40 °C
		Enclosure type	Type 1
		voltage supply	Class 2
		File number UL	E174191
Mechanical data			
Weight	[g]	21	
Housing		Threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M8 x 1 / L = 37	
Thread designation		M8 x 1	
Material		brass white bronze coated; sensing face: LCP	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 0.23 m, PVC; 3 x 0.14 mm²

Connection





Connector: 1 x JST (XHP-4)