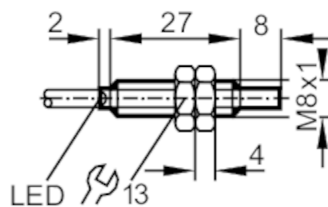




Inductive sensor

IEBC005-ASKG/0,3M/AS



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	5
Housing	Threaded type
Dimensions [mm]	M8 x 1 / L = 37

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]	700
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	5
Real sensing range Sr [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Operating conditions

Ambient temperature [°C]	0...60
Protection	IP 65; (with ifm socket duly screwed on: IP 67)

IE5346



Inductive sensor

IEBC005-ASKG/0,3M/AS

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	2988
UL approval	Ta	-25...80 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	File number UL	E174191

Mechanical data		
Weight	[g]	24.2
Housing		Threaded type
Mounting		non-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 - plug

Cable: 0.3 m, PVC; 3 x 0.14 mm²

Connector: 1 x M8; coding: A; Locking: snap-fit

