

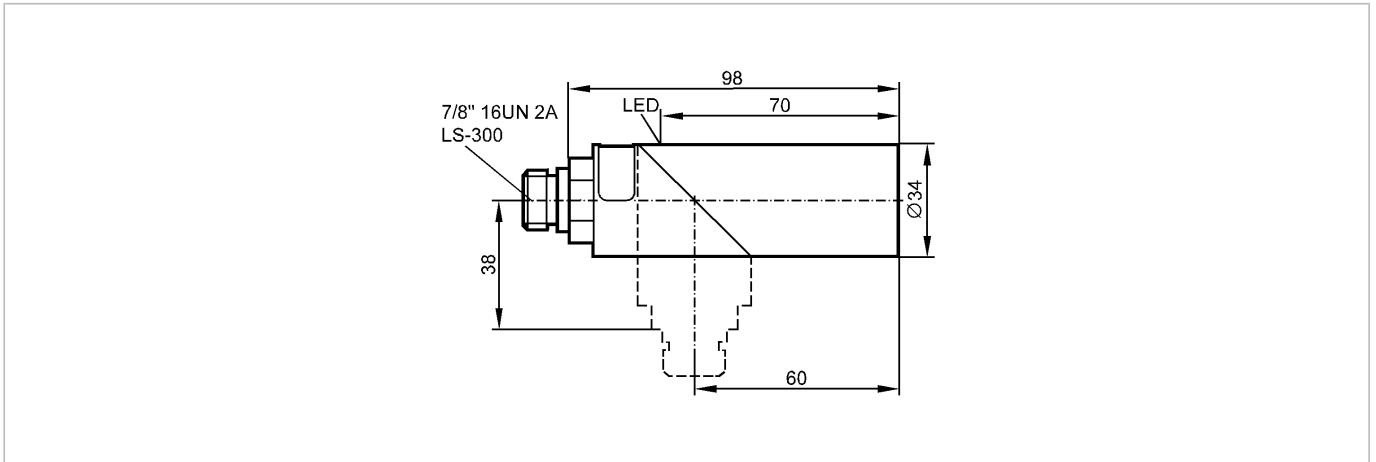
no longer available - archive entry

efector100

IB8502



Inductive sensors



Product characteristics

Inductive sensor

Plastic housing Ø 34 mm

Quick disconnect

Sensing range 20 mm; [nfr] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

350

Monitoring range

Sensing range [mm]

20

Real sensing range (Sr) [mm]

20 ± 10 %

Operating distance [mm]

0...16.2

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; end cap: polycarbonate

Displays / operating elements

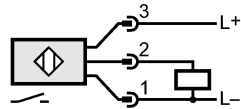
IB8502 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication	LED	yellow
--------------------------	-----	--------

Electrical connection		
-----------------------	--	--

Connection		7/8" connector
------------	--	----------------

Wiring



Accessories		
-------------	--	--

Accessories (included)		Mounting clamp
------------------------	--	----------------

Remarks		
---------	--	--

Pack quantity	[piece]	1
---------------	---------	---

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — IB8502 — 06.03.2003
no longer available - archive entry