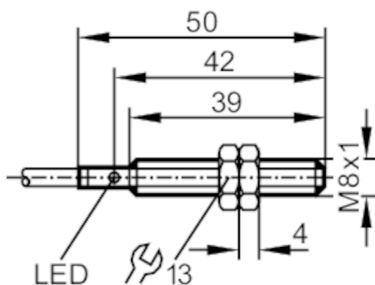


# IE5136



## Inductive sensor

IEA3001-APKG/6M



### Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	1
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 50

### Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	III
Reverse polarity protection	yes

### Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	750
Notes on switching frequency	1000 nb
Short-circuit protection	yes
Overload protection	yes

### Detection zone

Sensing range [mm]	1
Real sensing range Sr [mm]	1 ± 10 %
Operating distance [mm]	0...0.8

### Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-10...10

### Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

# IE5136



## Inductive sensor

IEA3001-APKG/6M

Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	3 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	3 V
	EN 55011	class B
MTTF	[years]	2737

Mechanical data		
Weight	[g]	118.2
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation		M8 x 1
Materials		brass white bronze coated; PBT
Tightening torque	[Nm]	0.25

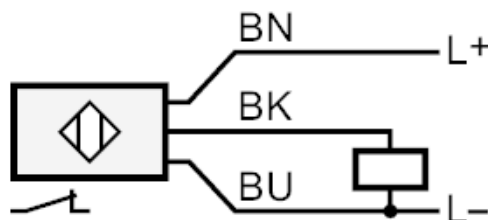
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories		
Accessories (supplied)		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

**Electrical connection**  
Cable: 6 m, PVC; 3 x 0.14 mm<sup>2</sup>

### Connection



- Core colours :
- BN = brown
  - BU = blue
  - BK = black