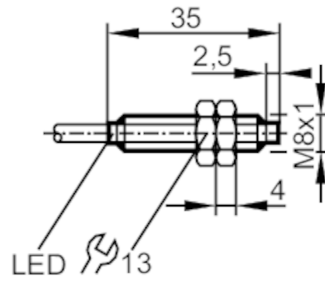


# IE5377



## Inductive sensor

IEB3003-BPKG/V4A/2,5M/US RT



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	3
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 35

### Electrical data

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

### Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

### Detection zone

Sensing range [mm]	3
Real sensing range $S_r$ [mm]	$3 \pm 10\%$
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 $S_r$ ]	1...15
Switch point drift [% of $S_r$ ]	-10...10

### Operating conditions

Ambient temperature [°C]	0...70
Protection	IP 67

# IE5377



## Inductive sensor

IEB3003-BPKG/V4A/2,5M/US RT

### Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]		2819

### Mechanical data

Weight [g]	90.5
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M8 x 1 / L = 35
Thread designation	M8 x 1
Materials	stainless steel; sensing face: PBT

### Displays / operating elements

Display	switching status	1 x LED, red
---------	------------------	--------------

### Accessories

Items supplied	lock nuts: 2
----------------	--------------

### Remarks

Pack quantity	1 pcs.
---------------	--------

### Electrical connection - plug

Cable: 2.5 m, PVC; 3 x 0.14 mm<sup>2</sup>

Connector: 1 x M12; coding: A



### Connection

