

IE5348



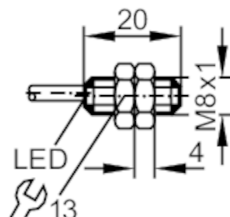
Inductive sensor

IEB31,5-BPKG/2M PVC

phase-out article

Alternative articles: IE5395

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	1.5
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 20

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	10; (24 V)
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	1.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	4000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	no

Detection zone

Sensing range [mm]	1.5
Real sensing range S_r [mm]	$1.5 \pm 10 \%$
Operating distance [mm]	0...1.2

Accuracy / deviations

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

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Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1045
UL approval	Ta	0...40 °C
	power supply	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	61
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 20
Thread designation		M8 x 1
Materials		housing: stainless steel; sensing face: PA 12
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.14 mm ²		
Connection		



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