

Inductive sensor

IE-3001-BPOG/20m

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Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	1
Housing	Threaded type
Dimensions [mm]	M8 x 1

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 7
Protection class	II
Reverse polarity protection	no

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]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	no
Overload protection	no

Monitoring range

Sensing range [mm]	1
Real sensing range S_r [mm]	$1 \pm 10 \%$
Operating distance [mm]	0...0.8

IE5058



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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature		[-°C]
Protection		IP 67
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions		[mm]
Thread designation		M8 x 1
Displays / operating elements		
Display		Switching status
		1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 20 m, PVC; 3 x 0.14 mm²		
Connection		



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