

IM0044



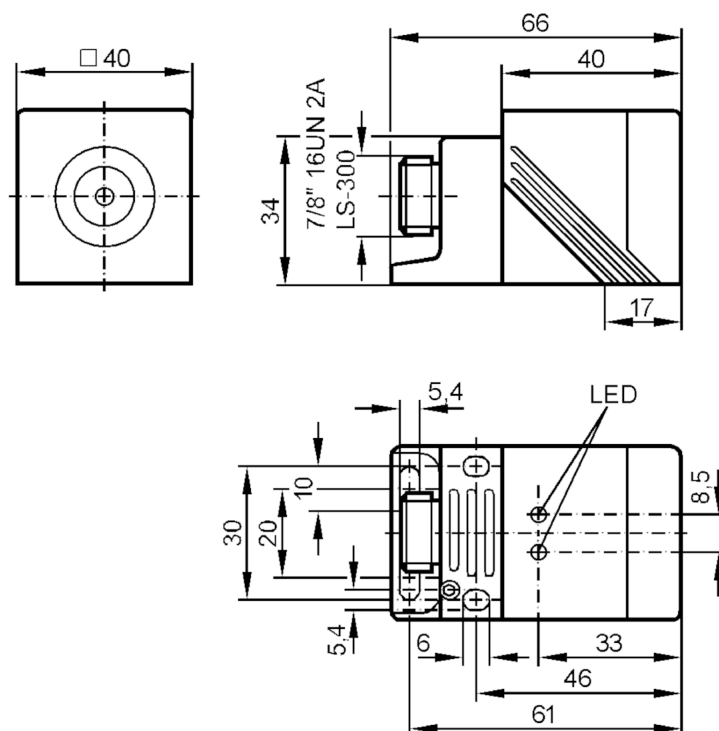
Inductive sensor

IMC2015-ARKA/LS-300BL

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Alternative articles: IM0058

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



Product characteristics

Output function		normally open
Sensing range	[mm]	15
Housing		rectangular

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...140 AC / 10...140 DC
Protection class		I
Reverse polarity protection		yes

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	5.5
Max. voltage drop switching output AC	[V]	5.5
Minimum load current	[mA]	5.5
Max. leakage current	[mA]	1.7 (140 V AC/DC)
Permanent current rating of switching output AC	[mA]	450



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Permanent current rating of switching output DC	[mA]	450
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	15
Real sensing range S_r	[mm]	$15 \pm 10 \%$
Operating distance	[mm]	0...12.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of S_r]	1...15
Switch-point drift	[% of S_r]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		rectangular
Mounting		flush mountable
Material		PBT; sensing face: PPE
Displays / operating elements		
Display	Switching status	1 x LED, green
	Power	1 x LED, red
	short circuit	1 x LED, green/red alternately flashing
Remarks		
Remarks		5 positions of the active zone possible
Pack quantity		1 pcs.

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Electrical connection - plug

Connector: 1 x 7/8"; coding: A

