

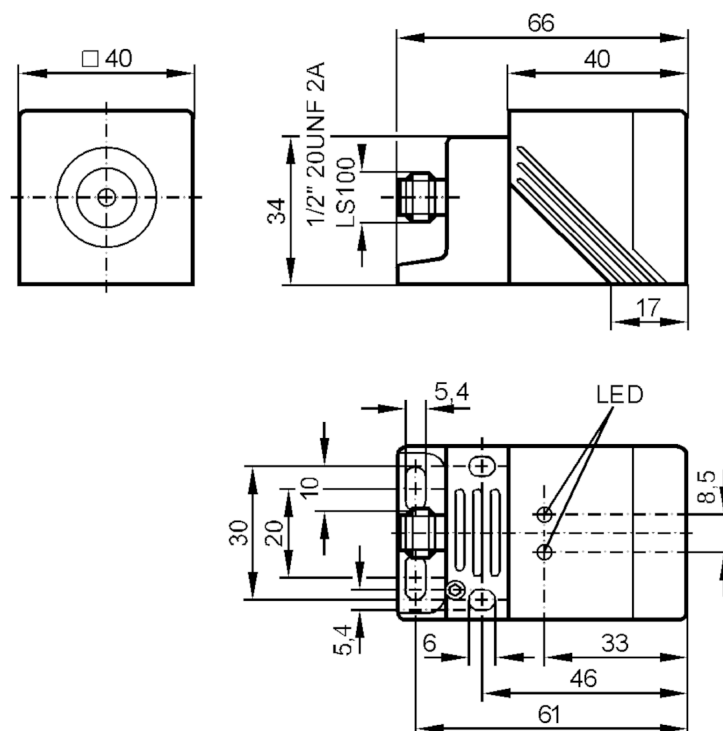
Inductive sensor

IMC2015UARLA/SC/LS-100AK/CSA

Article no longer available - archive entry

Alternative articles: IM0032

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
Dimensions	[mm]	40 x 40 x 66

Application

Special feature		Magnetic-field immune
Magnetic-field immune		yes

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



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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	
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		latching (restart interlock after short circuit)	
Overload protection		yes	
Detection zone			
Sensing range	[mm]	15	
Real sensing range Sr	[mm]	15 ± 10 %	
Operating distance	[mm]	0...12.1	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Mechanical data			
Housing		rectangular	
Mounting		flush mountable	
Dimensions	[mm]	40 x 40 x 66	
Materials		sensing face: PC; sensing face: PTFE coated; clamp: diecast zinc	
Displays / operating elements			
Display	switching status		1 x LED, red
	operation		1 x LED, green
	short circuit		1 x LED, green/red alternately flashing
Remarks			
Remarks		5 positions of the active zone possible	
Pack quantity		1 pcs.	

IM0030



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Electrical connection - plug

Connector: 1 x 1/2"; coding: C; Locking: brass, nickel-plated

