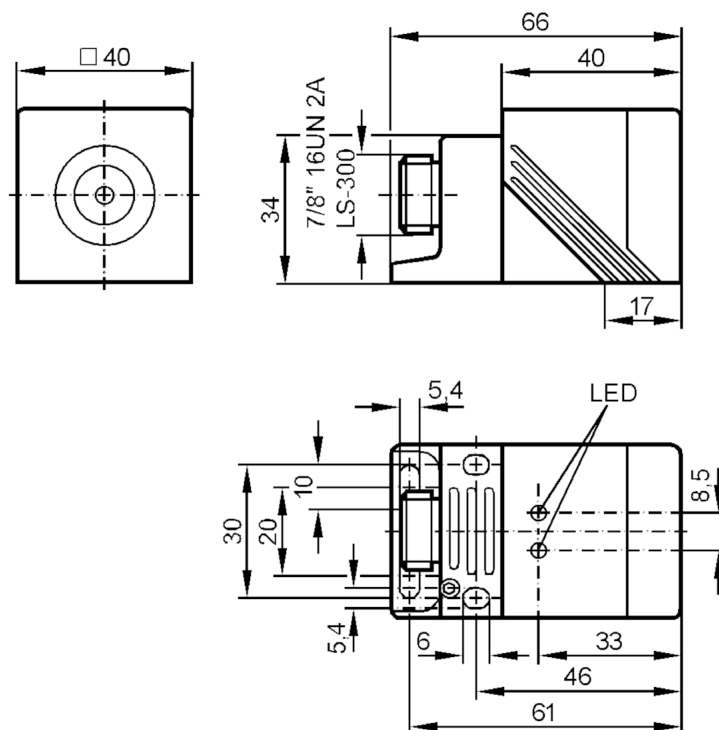




Inductive sensor

IMC2015UARLA/SC/LS-300BL

Article no longer available - archive entry



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; anti-spatter
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
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)



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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		housing: PPE; sensing face: PEI anti-spatter; 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.

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Electrical connection - plug

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

