

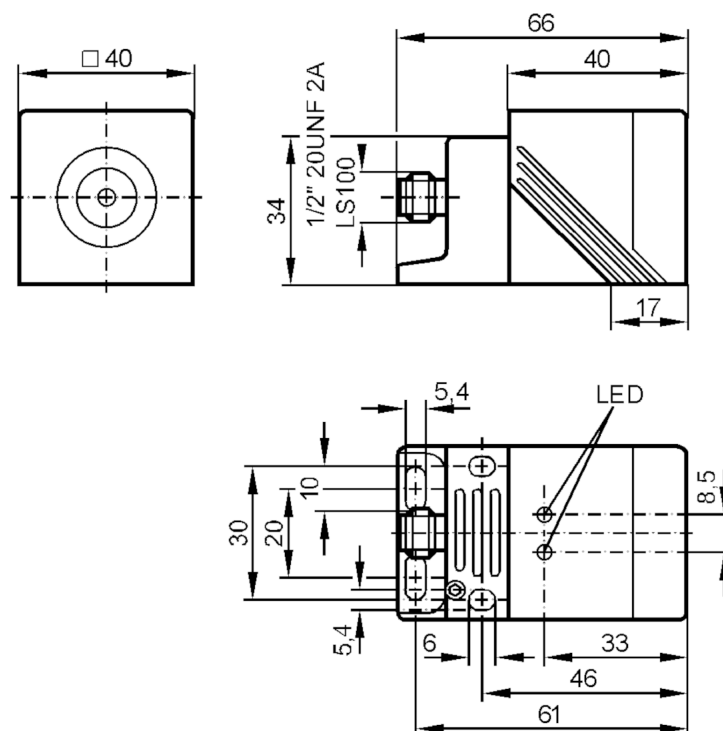
Inductive sensor

IMC2015-ARKA/LS-100AK/CSA

Article no longer available - archive entry

Alternative articles: IM0055

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

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		pulsed
Overload protection		yes

Detection zone		
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 / aluminium: 0.3 / copper: 0.2
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-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
Dimensions	[mm]	40 x 40 x 66
Materials		PBT; sensing face: PPE

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.

IM0043



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Electrical connection - plug

Connector: 1 x 1/2"; coding: C

