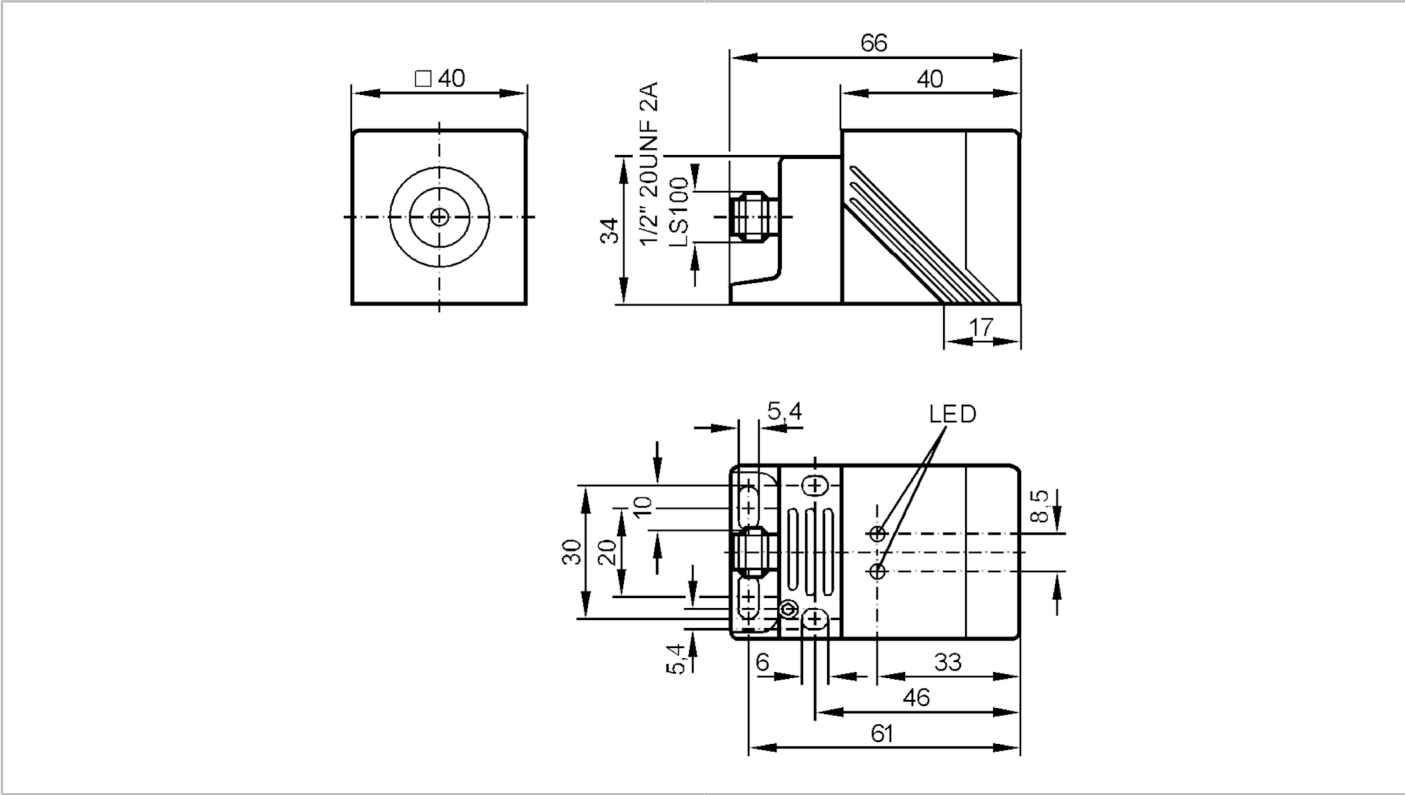




Inductive sensor

IMC2035-ARKA/SC/LS-100AK

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Product characteristics

Output function	normally open
Sensing range [mm]	35
Housing	rectangular
Dimensions [mm]	40 x 40 x 66

Application

Special feature	Increased sensing range; anti-spatter
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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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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]	35	
Operating distance	[mm]	0...28.3	
Increased sensing range		yes	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.8 / brass: 0.4 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...15	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Tests / approvals			
EMC	EN 60947-5-2		
Mechanical data			
Housing	rectangular		
Mounting	non-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.		

IM0048



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Electrical connection - plug

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

