

Inductive sensor

IMC2035-ARKA/SC/LS-300BL/CSA

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Product characteristics

Output function	normally open
Sensing range [mm]	35
Housing	rectangular

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)
Short-time current rating of switching output [mA]	2200; (20 ms / 0,5 Hz)



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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
Materials		housing: PPE; sensing face: PEI anti-splatter; 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.

IM0047



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Electrical connection - plug

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

