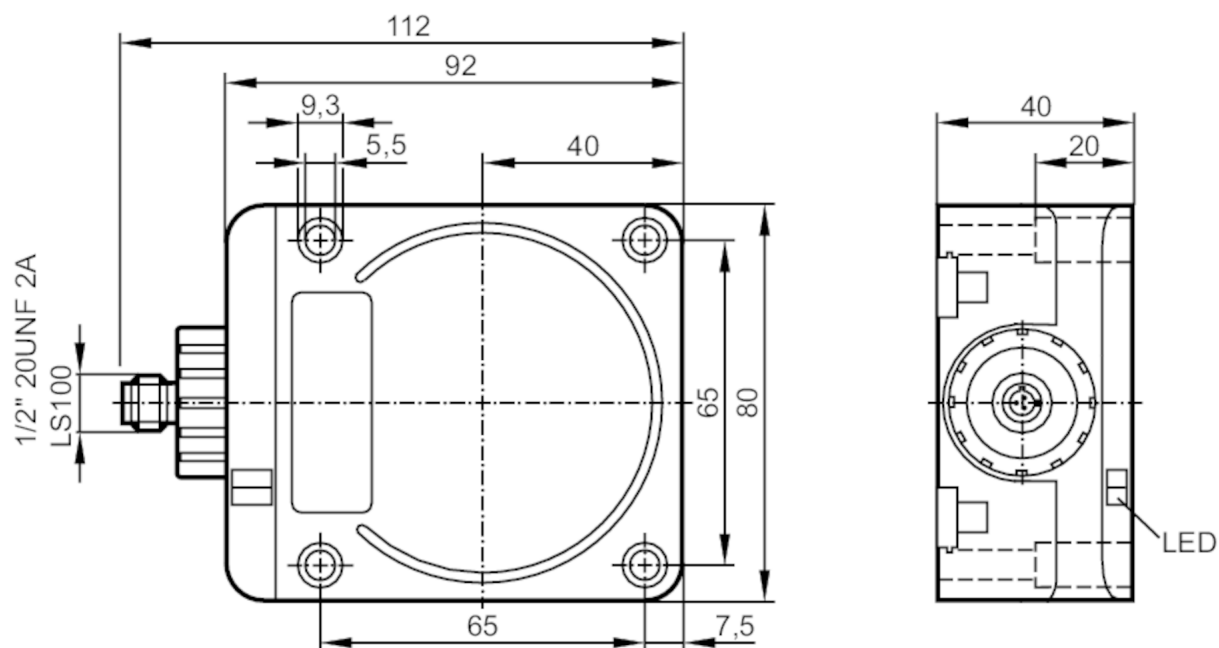


Inductive sensor

IDC2050BARKA/SC/LS-100AK

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Product characteristics

Output function		normally open
Sensing range	[mm]	50
Housing		rectangular
Dimensions	[mm]	92 x 80 x 40

Application

System	weld coated
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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]	6
Max. voltage drop switching output AC	[V]	6
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



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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]	25
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range		
Sensing range	[mm]	50
Operating distance	[mm]	0...40.5; (mounted flush with mild steel (ST37))

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.85 / brass: 0.48 / aluminum: 0.46 / copper: 0.38
Hysteresis	[% of Sr]	3...20
Switch-point drift	[% of Sr]	-15...15

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]	92 x 80 x 40
Material		housing: diecast zinc; PPO weld coated; sensing face: PPO weld coated

Displays / operating elements		
Display	Switching status	1 x LED, red
	Power	1 x LED, green
	short circuit	LED, red/green alternately flashing

Accessories		
Items supplied		sealing plug: 1

Remarks		
Pack quantity		1 pcs.

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Electrical connection - plug

Connector: 1 x 1/2"; coding: C; Locking: brass, white bronze coated

