ID9917

Inductive sensor

IDC2040-ARKG/UP/0,80M/PUR/US

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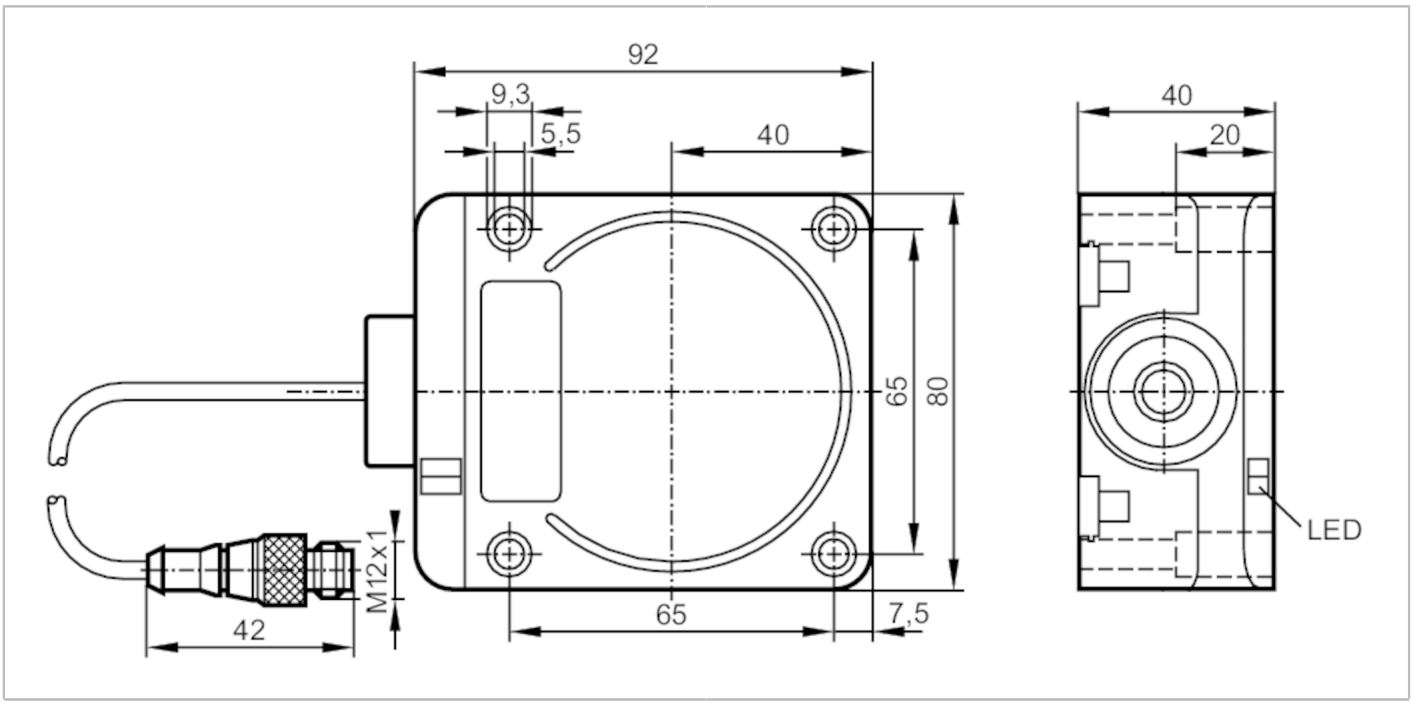

CE

Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	40
Housing		rectangular
Dimensions	[mm]	92 x 80 x 40
Electrical data		
Operating voltage	[V]	10...55 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	90
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

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Detection zone			
Sensing range	[mm]	40	
Real sensing range Sr	[mm]	40 ± 10 %	
Operating distance	[mm]	0...32.4	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
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	
		EN 55011	class B
Mechanical data			
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions	[mm]	92 x 80 x 40	
Materials		PPE; brass nickel-plated	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		sealing plug: 1	
Remarks			
Pack quantity		1 pcs.	

Electrical connection

Cable: 0.8 m, PUR

Electrical connection - plug

Connector: 1 x M12; coding: A

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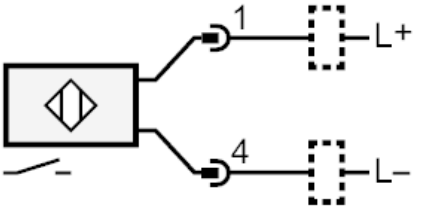
Connection