

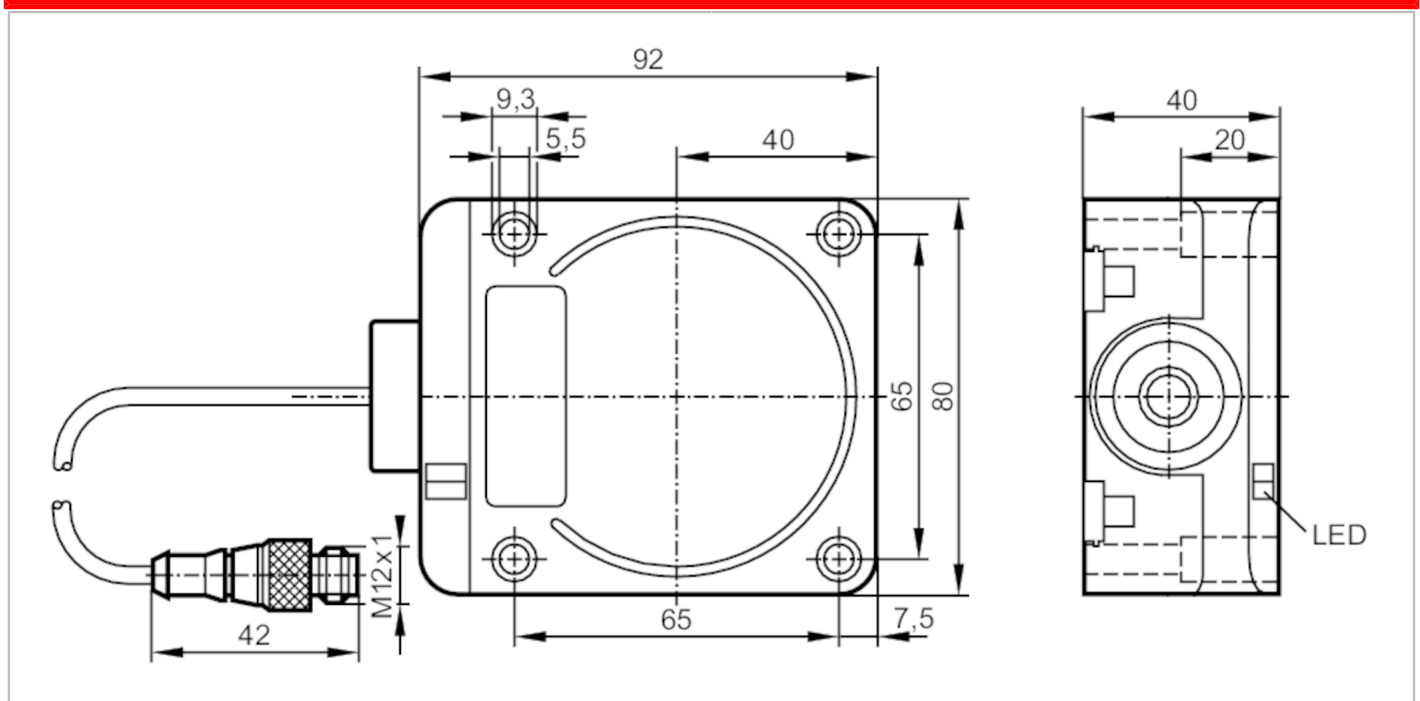
# ID9917



## Inductive sensor

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

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### 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		brass nickel-plated; PPE
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		sealing plug: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.8 m, PUR		
Electrical connection - plug		
Connector: 1 x M12		
		

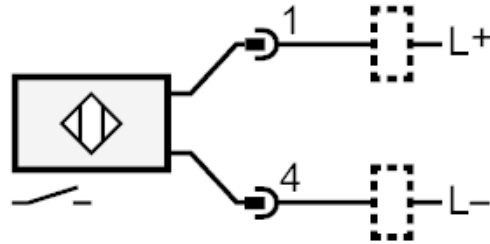
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