

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

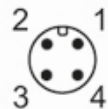
Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	90
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes



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Monitoring range		
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 / aluminum: 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
Material		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		
		



ID9917



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Connection

