



Inductive sensor

IMC4020BCPKG/K1/US-100-DPA

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Alternative articles: IM5132

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	20
Housing	rectangular
Dimensions [mm]	40 x 40 x 66

Application

Special feature	Gold-plated contacts; Correction factor K = 1
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	20; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
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Inductive sensor

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Output function		complementary	
Max. voltage drop switching output DC [V]		2.5	
Permanent current rating of switching output DC [mA]		250	
Switching frequency DC [Hz]		200	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Sensing range [mm]		20	
Real sensing range Sr [mm]		20 ± 10 %	
Operating distance [mm]		0...16.2	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 1.1 / brass: 1.1 / aluminium: 1.1 / copper: 1.1	
Hysteresis [% of Sr]		3...15	
Switch point drift [% of Sr]		-10...10	
Correction factor K = 1		yes	
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		flush mountable	
Dimensions [mm]		40 x 40 x 66	
Materials		housing: PPE; sensing face: PPE; end cap: PPS; clamp: PPS	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
Accessories			
Items supplied		Mounting bracket: 1	
		Allen key: 1	
Remarks			
Pack quantity		1 pcs.	

IM5067



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Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

