

IM5066



Inductive sensor

IMC4035-CPKG/US-100-DPA

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Alternative articles: IM5134 or IM5136
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]	35
Housing		rectangular
Dimensions	[mm]	40 x 40 x 66
Application		
System		gold-plated contacts
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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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]		100	
Short-circuit protection		yes	
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Monitoring range			
Sensing range [mm]		35	
Real sensing range Sr [mm]		35 ± 10 %	
Operating distance [mm]		0...28.3	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
Hysteresis [% of Sr]		1...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]		40 x 40 x 66	
Material		housing: PPE; sensing face: PPE; end cap: PPS; clamp: PPS	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
		Power	1 x LED, green
Accessories			
Items supplied		Mounting bracket: 1	
		Allen key: 1	
Remarks			
Remarks		5 positions of the active zone possible	
Pack quantity		1 pcs.	

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Electrical connection - plug

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



Connection

