

IM5057



Inductive sensor

IMC3015-BPKG/US-100-DPS

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Alternative articles: IM5115

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



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	15
Housing	rectangular
Dimensions [mm]	40 x 40 x 66

Application

System	gold-plated contacts
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
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Output function	normally open	
Max. voltage drop switching output DC [V]	2.5	
Permanent current rating of switching output DC [mA]	250	
Switching frequency DC [Hz]	300	
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Sensing range [mm]	15	
Real sensing range Sr [mm]	15 ± 10 %	
Operating distance [mm]	0...12.1	
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3	
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	flush mountable	
Dimensions [mm]	40 x 40 x 66	
Material	housing: PBT; sensing face: PPE; 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

