

IM5115



Inductive sensor

IMC3020BBPKG/US-100-DPS



- 1 LED yellow
- 2 LED green



Product characteristics	
Electrical design	PNP
Output function	normally open
Sensing range [mm]	20
Housing	rectangular
Dimensions [mm]	40 x 40 x 54
Application	
Special feature	Gold-plated contacts
Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 20
Protection class	II
Reverse polarity protection	yes



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Outputs		
Electrical design	PNP	
Output function	normally open	
Max. voltage drop switching output DC [V]	2.5	
Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	100	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Sensing range [mm]	20	
Operating distance [mm]	0...16.2	
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	1...20	
Operating conditions		
Ambient temperature [°C]	-25...70	
Protection	IP 67	
Tests / approvals		
EMC	EN 61000-4-2 ESD	8 kV CD / 4 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF [years]	1590	
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191
Mechanical data		
Weight [g]	146.5	
Housing	rectangular	
Sensing face	5 positions selectable	
Mounting	flush mountable	
Dimensions [mm]	40 x 40 x 54	
Materials	PA	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Remarks		
Pack quantity	1 pcs.	

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Electrical connection - plug

Connector: 1 x M12; Locking: locking, rotatable; Contacts: gold-plated



Connection

