

IM5116



Inductive sensor

IMC3035-BPKG/US-100-DPS



- 1 LED yellow
- 2 LED green



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	35
Housing	rectangular
Dimensions [mm]	40 x 40 x 54

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]		80
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
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 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	1...20	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...70	
Protection	IP 67	
Tests / approvals		
EMC	EN 61000-4-2 ESD	8 kV CD / 6 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF [years]	1494	
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191
Mechanical data		
Weight [g]	152.5	
Housing	rectangular	
Sensing face	5 positions selectable	
Mounting	non-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

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Remarks

Pack quantity

1 pcs.

Electrical connection - plug

Connector: 1 x M12; Locking: locking, rotatable



Connection

