

IM5087

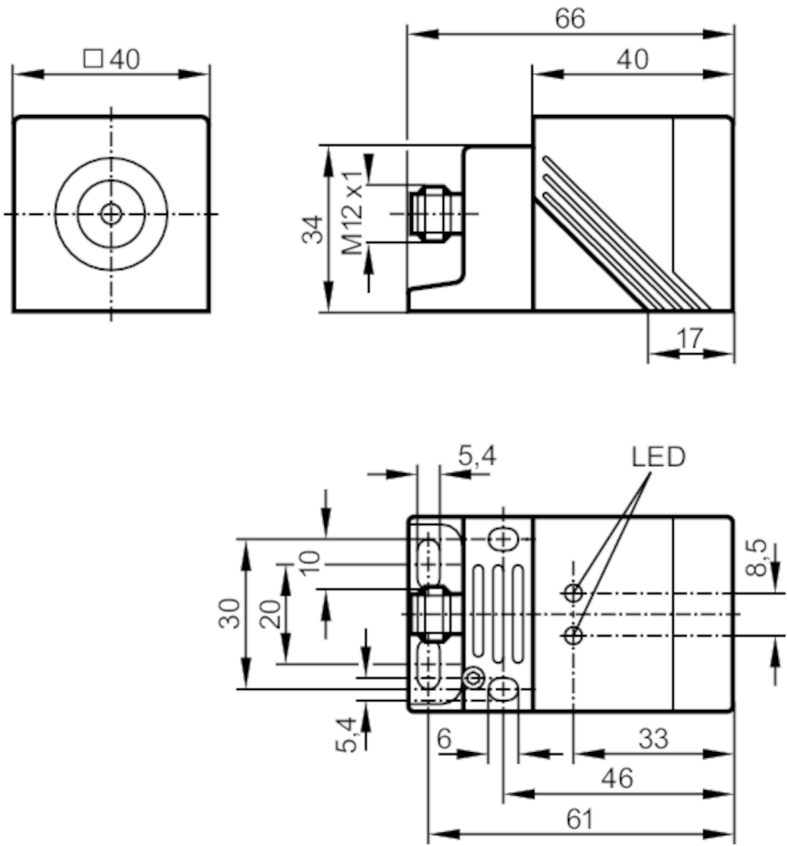
Inductive sensor

IMC4020BCPKG/US-100-DPA



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Product characteristics		
Electrical design		PNP
Output function		complementary
Sensing range	[mm]	20
Housing		rectangular
Dimensions	[mm]	40 x 40 x 66
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	20; (24 V)
Protection class		II
Reverse polarity protection		yes



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Outputs		
Electrical design	PNP	
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	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: 0.8 / brass: 0.4 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	3...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	
Mechanical data		
Housing	rectangular	
Mounting	flush mountable	
Dimensions [mm]	40 x 40 x 66	
Materials	housing: PPE; sensing face: PPE; end cap: diecast zinc; connector housing: brass white bronze coated; clamp: diecast zinc	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Accessories (supplied)	Mounting bracket: 1	
	Allen key: 1	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12		

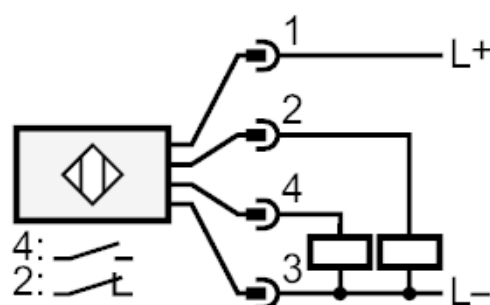
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Connection



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