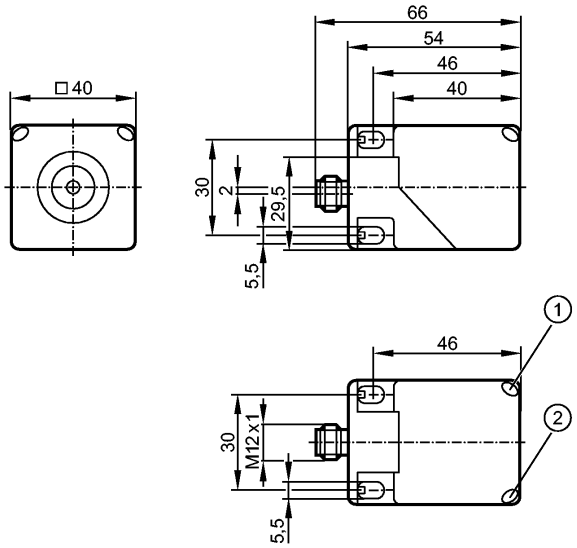
IM5136

IMC4040-CPKG/US-100-DPA

Inductive sensors



1: LED yellow
2: LED green

Product characteristics		
Inductive sensor		
Rectangular, plastics		
Quick disconnect		
5 positions of the sensing face selectable		
Sensing range 40 mm; [nf] non-flush mountable		
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC; cULus - Class 2 source required
Current consumption	[mA]	< 20
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		complementary
Voltage drop	[V]	< 2.5
Leakage current	[mA]	< 0.1
Current rating	[mA]	200
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	60
Monitoring range		
Sensing range	[mm]	40
Operating distance	[mm]	0...32.4
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis	[% of Sr]	1...20
Environment		
Ambient temperature	[°C]	-25...70

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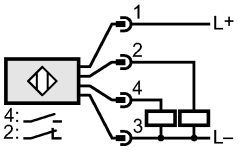
Protection		IP 67
Tests / approvals		
EMC		EN 61000-4-2 ESD: 8 kV CD / 6 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 2Ohm) EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF	[Years]	1208
Mechanical data		
Mounting		non-flush mountable
Housing materials		housing: PA (polyamide); connector: stainless steel
Weight	[kg]	0.152
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Electrical connection		
Connection		M12 connector; rotatable, locking

Wiring



Remarks		
Pack quantity	[piece]	1