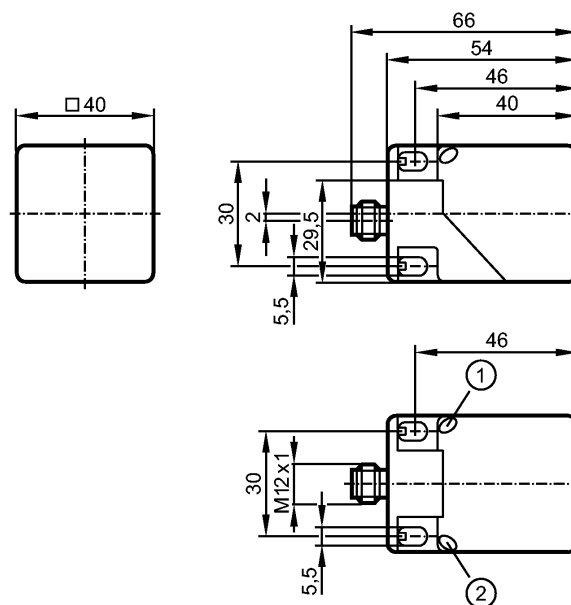


IM5124

IMC4020UCPKG/K1/SC/US-100-DPA

Inductive sensors



1: LED yellow
2: LED green

Made in Germany



Product characteristics

Inductive sensor

Rectangular, plastics

Connector

Correction factor = 1

Electromagnetic-field immune

5 positions of the sensing face selectable

Sensing range 20 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC; "supply class 2" to cULus.
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	pulsed
Overload protection	yes
Switching frequency [Hz]	200

Range

Sensing range [mm]	20
Real sensing range (Sr) [mm]	20 ± 10 %
Operating distance [mm]	0...16.2

Accuracy / deviations

IM5124

IMC4020UCPKG/K1/SC/US-100-DPA

Inductive sensors

Correction factors		mild steel = 1 / stainless steel approx. 1 / brass approx. 1 / aluminium approx. 1 / copper approx. 1
Hysteresis	[% of Sr]	1...20
Switch-point drift	[% of Sr]	-10...10

Environment		
Ambient temperature	[°C]	-25...70
Protection		IP 67

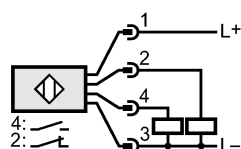
Tests / approvals		
EMC	EN 61000-4-2 ESD: 8 kV CD / 6 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...1000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20hm) EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011: class B	
MTTF	[Years]	975

Mechanical data		
Mounting		flush mountable
Housing materials		housing: PA (polyamide) safe-coated; connector: stainless steel
Weight	[kg]	0.142

Displays / operating elements		
Output status indication	LED	yellow
Operation	LED	green

Electrical connection		
Connection		M12 connector; rotatable, locking

Wiring



Remarks		
Pack quantity	[piece]	1