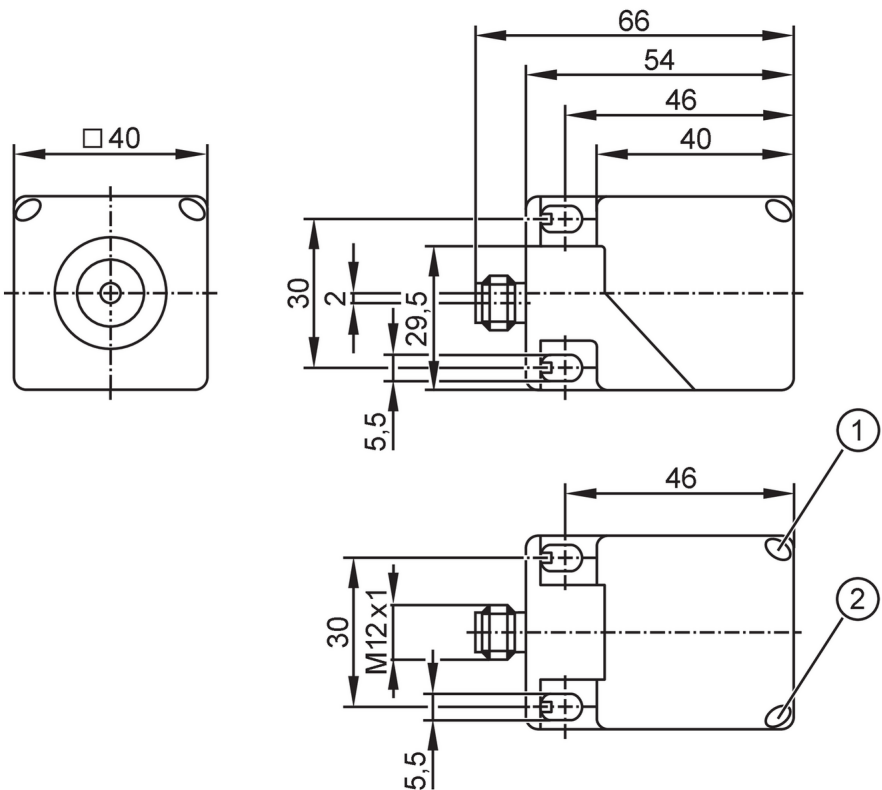


IM5123



Inductive sensor

IMC4020BCPKG/US-100-DPA



- 1 LED yellow
- 2 LED green



Product characteristics		
Electrical design		PNP
Output function		complementary
Sensing range	[mm]	20
Housing		rectangular
Dimensions	[mm]	40 x 40 x 54
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 25
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		complementary
Max. voltage drop switching output DC	[V]	2.5
Max. leakage current	[mA]	0.1
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	100
Short-circuit protection		yes

IM5123



Inductive sensor

IMC4020BCPKG/US-100-DPA

Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
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: 0.7 / brass: 0.4 / aluminum: 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]	1270
Embedded software included	no	
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	UL approval number	A075
	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
Material	housing: PA; sensing face: PA black; bevelled housing part: PA; clamp: orange; screw: stainless steel (1.4567 / 304Cu)	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Remarks		
Pack quantity	1 pcs.	

IM5123



Inductive sensor

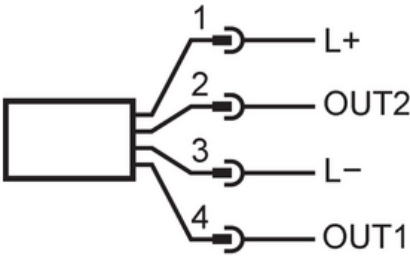
IMC4020BCPKG/US-100-DPA

Electrical connection - plug

Connector: 1 x M12; coding: A; Locking: locking, rotatable



Connection



1	L+	
2	OUT2	DO2 (NC)
3	L-	
4	OUT1	DO1 (NO)