

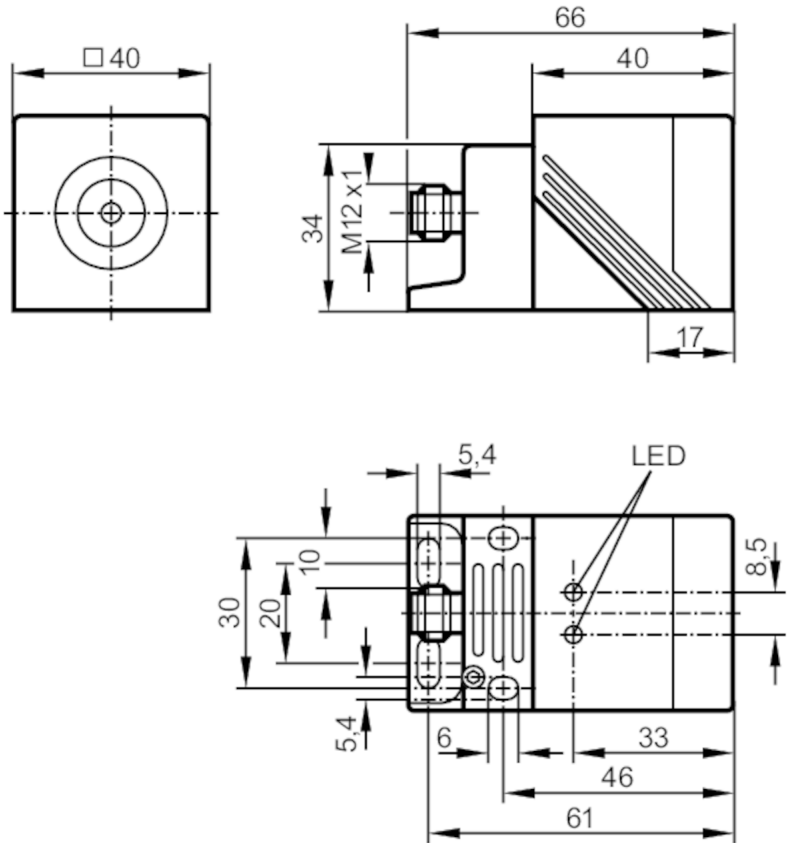
IM5096



Inductive sensor

IMC4020BCPKG/US-100-DPA

Article no longer available - archive entry



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



Inductive sensor

IMC4020BCPKG/US-100-DPA

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	
	EN 55011	class B

Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 66
Materials		housing: PPE; sensing face: PPE; end cap: PPS; clamp: PPS

Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Accessories		
Items supplied	Mounting bracket:	1
	Allen key:	1

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated





Inductive sensor

IMC4020BCPKG/US-100-DPA

Connection

