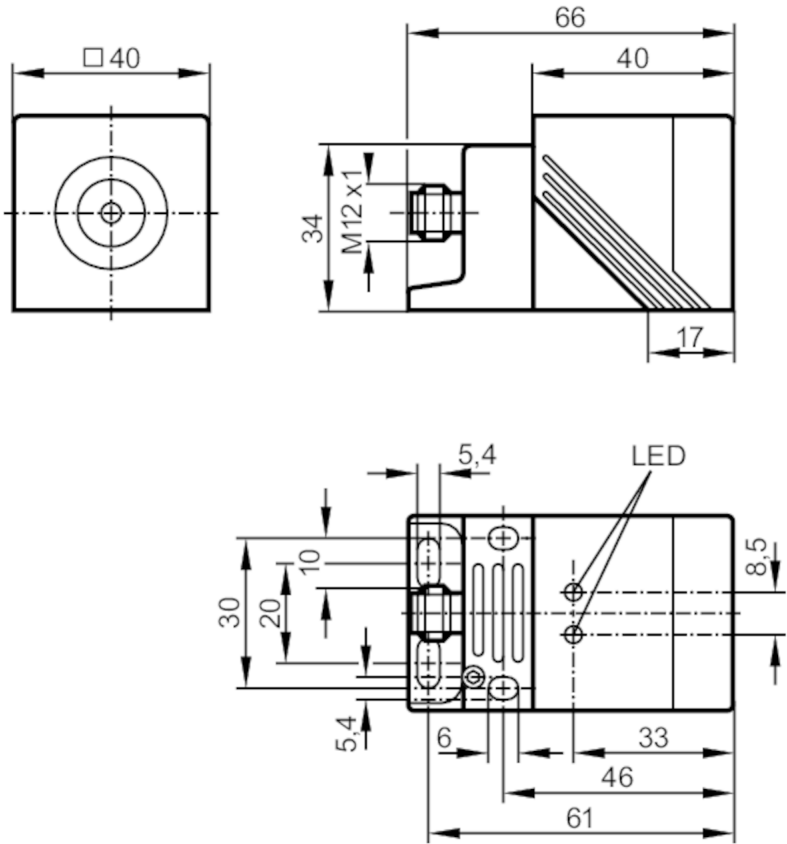


IM5084



Inductive sensor

IMC4020UCPKG/K1/SC/US-100-DPA



Product characteristics		
Electrical design		PNP
Output function		complementary
Sensing range	[mm]	20
Housing		rectangular
Dimensions	[mm]	40 x 40 x 66
Application		
System		gold-plated contacts; correction factor = 1; Magnetic-field immune; weld coated
Magnetic-field immune		yes
Max. electromagnetic field immunity	[mT]	300
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

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Inductive sensor

IMC4020UCPKG/K1/SC/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]	200
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	20
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 1.1 / brass: 1.1 / aluminum: 1.1 / copper: 1.1
Correction factor = 1		yes
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	945
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Hazardous voltage
	File number UL	E174191
Mechanical data		
Weight	[g]	240
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 66
Material		housing: PPE; sensing face: PPE black weld coated; end cap: diecast zinc; clamp: diecast zinc black; screw: steel galvanized
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Accessories		
Items supplied	Mounting bracket:	1
	Allen key:	1
Remarks		
Pack quantity		1 pcs.

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Inductive sensor

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Electrical connection - plug

Connector: 1 x M12; coding: A; Locking: brass, white bronze coated; Contacts: gold-plated



Connection

