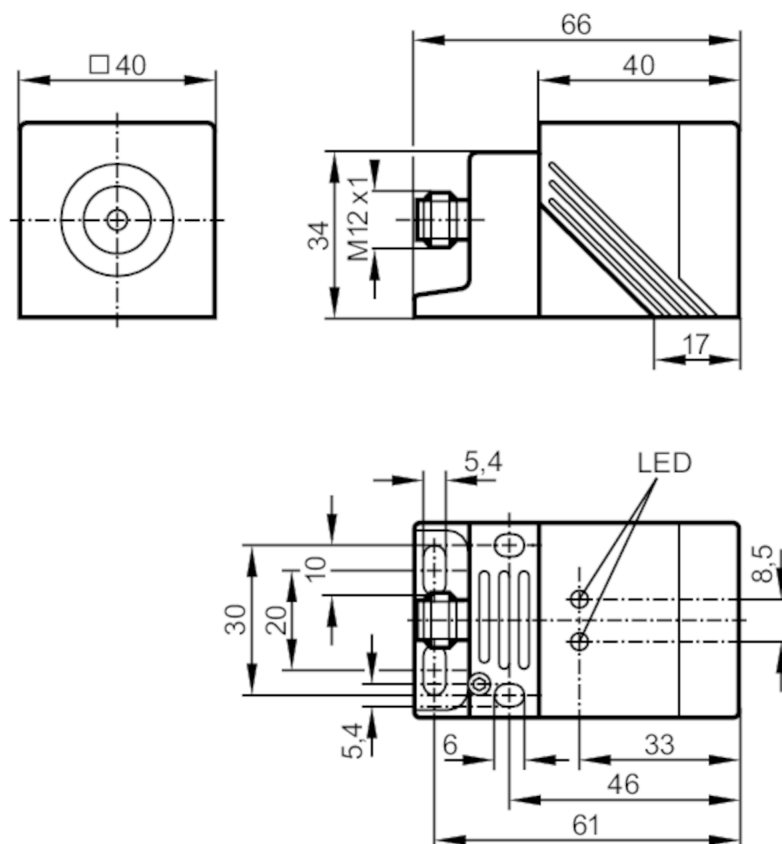


IM5084



Inductive sensor

IMC4020UCPKG/K1/SC/US-100-DPA



Application

Magnetic-field immune	yes
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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
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	pulsed
Overload protection	yes

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Detection zone		
Sensing range	[mm]	20
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 1.1 / brass: 1.1 / aluminium: 1.1 / copper: 1.1	
Correction factor K = 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	Unlimited Voltage
	File number UL	E174191
Mechanical data		
Weight	[g]	240.4
Housing	rectangular	
Mounting	flush mountable	
Dimensions	[mm]	40 x 40 x 66
Materials	connector housing: brass nickel-plated; clamp: diecast zinc; end cap: diecast zinc; housing: PPE; cover: PPE PTFE coated	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Accessories (supplied)	Mounting bracket: 1	
	Allen key: 1	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12		
		

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Connection

