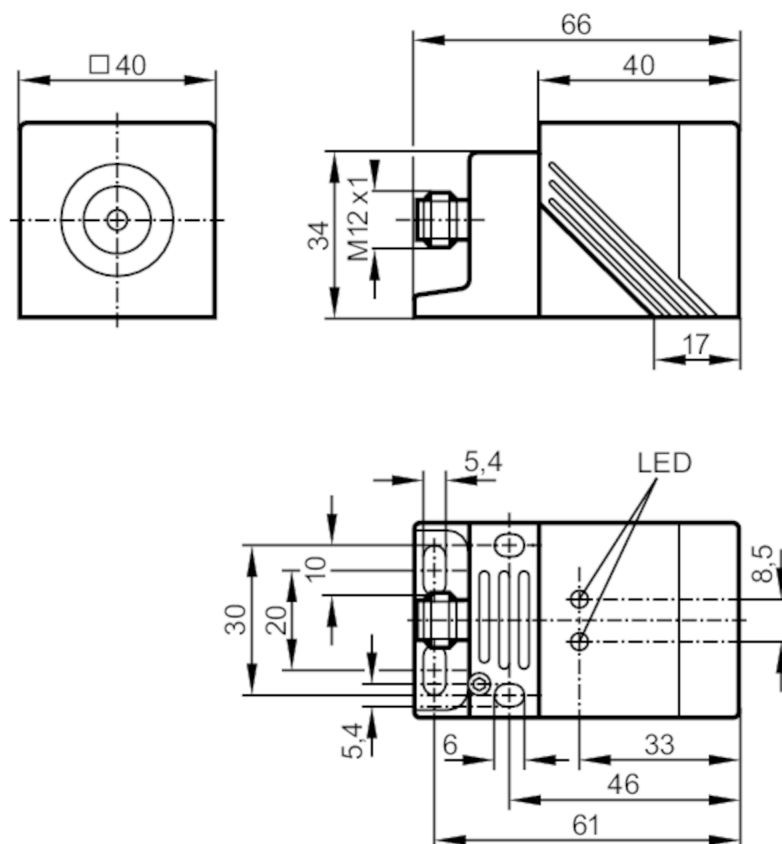


Inductive sensor

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

Special feature	Correction factor K = 1; Magnetic-field immune
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	20; (24 V)
Protection class	II
Reverse polarity protection	yes



Inductive sensor

IMC4020UCPKG/K1/SC/US-100-DPA

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	
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	Hazardous voltage
	File number UL	E174191
Mechanical data		
Weight [g]	240	
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		

IM5084



Inductive sensor

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Connection

