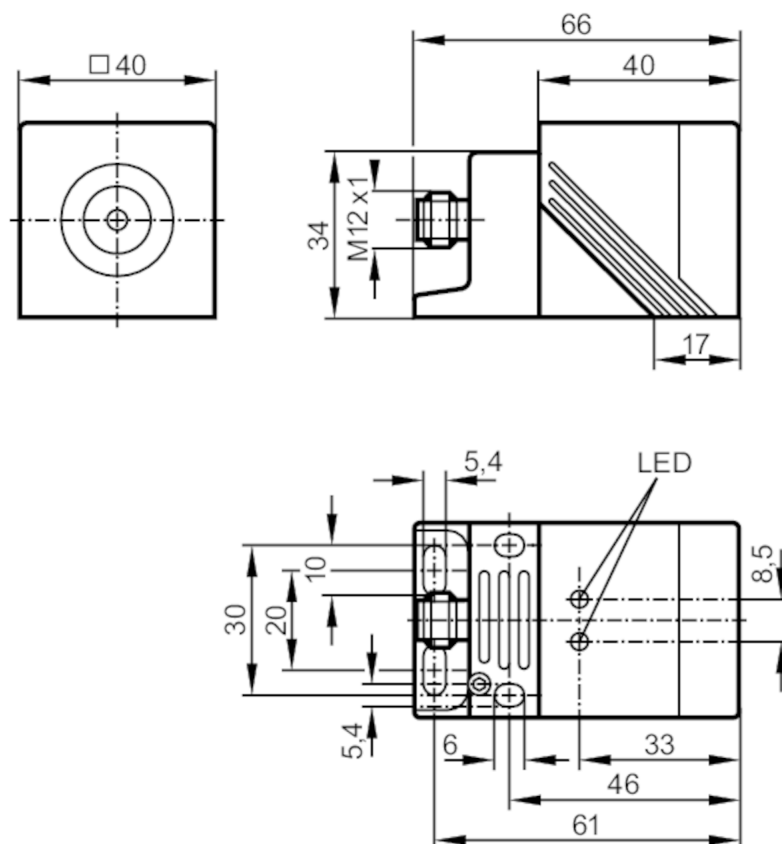


Inductive sensor

IMC4035UCPKG/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]	250
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



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Detection zone		
Sensing range	[mm]	35
Real sensing range Sr	[mm]	35 ± 10 %
Operating distance	[mm]	0...28.3
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 1 / brass: 1 / aluminium: 1 / copper: 1
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Correction factor K = 1		yes
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	943
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Unlimited Voltage
	File number UL	E174191
Mechanical data		
Weight	[g]	142.6
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 40 x 66
Materials		housing: PPE; cover: PPE PTFE coated; connector housing: brass white bronze coated; end cap: PPS; clamp: PPS
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		
Remarks		5 positions of the active zone possible
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M12		



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Connection

