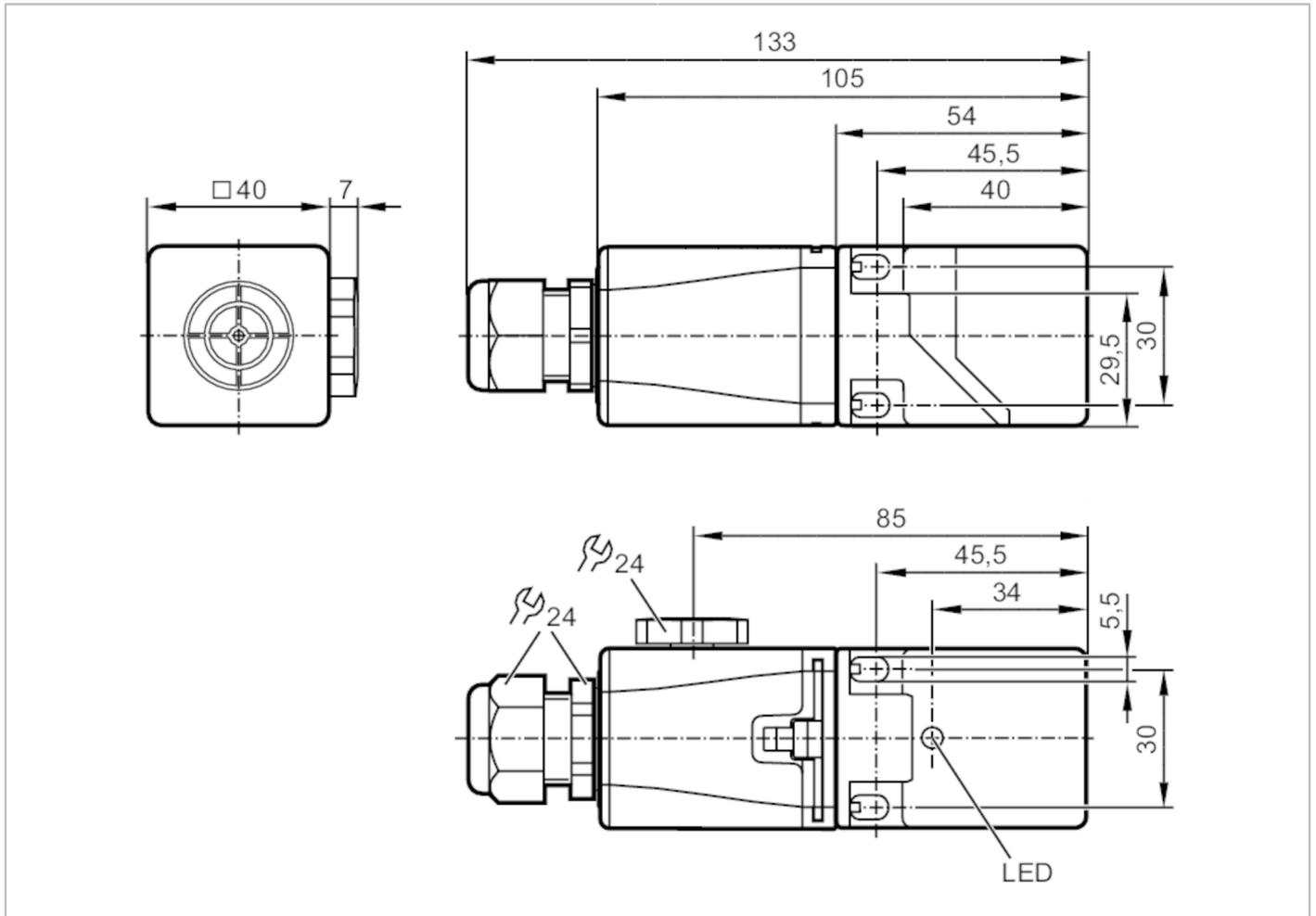


IM510A



Inductive sensor

IME4020BCPKG/3D



Product characteristics

Output function		complementary
Sensing range	[mm]	20
Housing		rectangular
Dimensions	[mm]	40 x 40 x 105

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes

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Inductive sensor

IME4020BCPKG/3D

Outputs		
Output function		complementary
Max. voltage drop switching output DC [V]		2.5
Max. leakage current [mA]		0.5
Permanent current rating of switching output DC [mA]		200
Switching frequency DC [Hz]		100
Short-circuit proof		yes
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: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of Sr]		1...20
Switch point drift [% of Sr]		-10...10
Operating conditions		
Ambient temperature [°C]		-20...60
Protection		IP 65; IP 67
Tests / approvals		
ATEX marking		 II 3D Ex tc IIIC T95°C Dc X
EMC		EN 60947-5-2
MTTF [years]		1326
Mechanical data		
Weight [g]		244.5
Housing		rectangular
Mounting		flush mountable
Dimensions [mm]		40 x 40 x 105
Materials		PC; PA; stainless steel
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit. 5 positions of the active zone possible	
Pack quantity	1 pcs.	

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Electrical connection

terminals: 0.34...1.5 mm²; Cable sheath: Ø 5...9 mm

Connection

