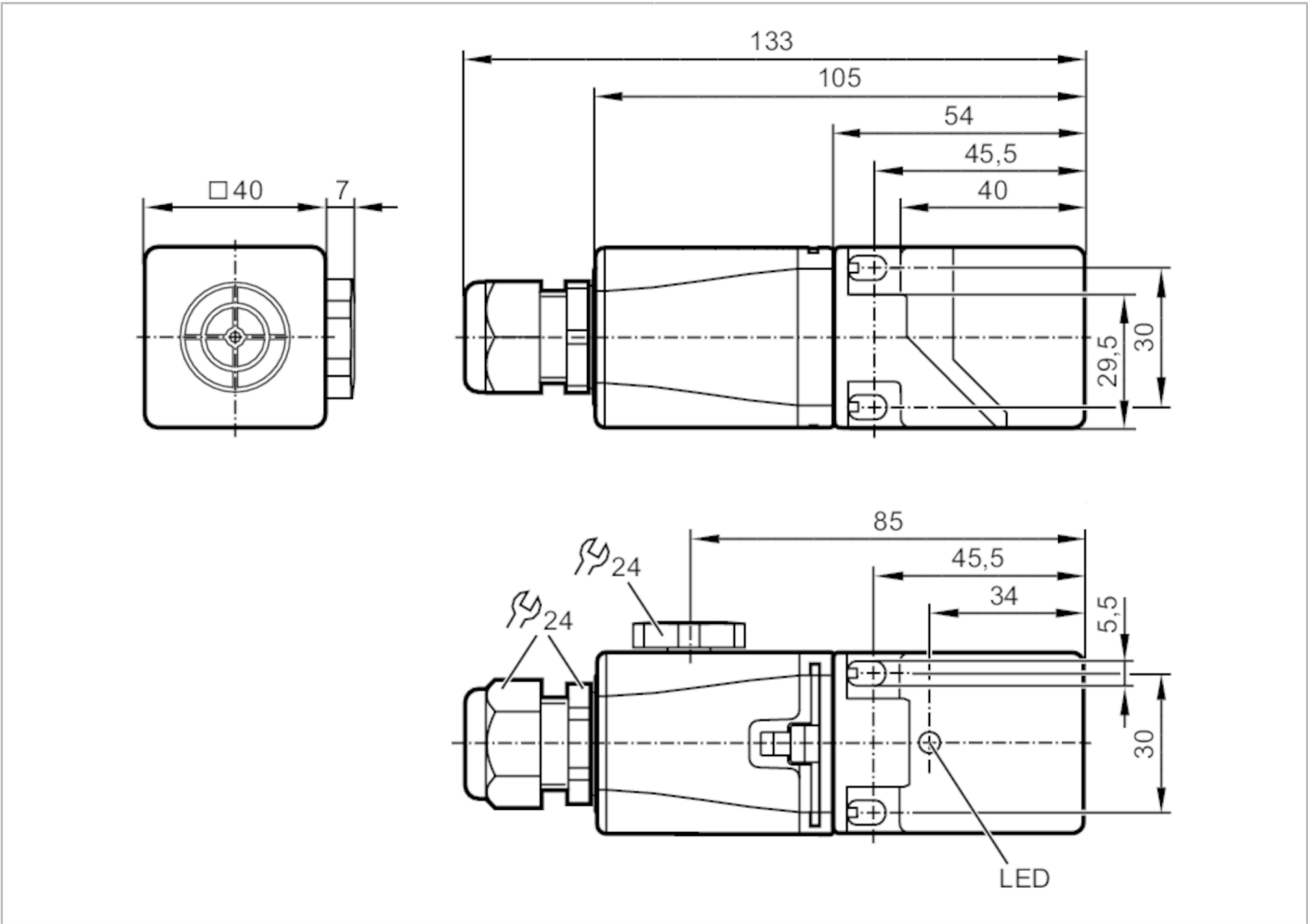


IM506A



Inductive sensor

IME3020BFPKG/3D



Product characteristics		
Output function		normally open / closed; (selectable)
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
Outputs		
Output function		normally open / closed; (selectable)
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

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Inductive sensor

IME3020BFPKG/3D

Short-circuit proof	yes
Overload protection	yes
Monitoring range	
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 / aluminum: 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]	243.5
Housing	rectangular
Mounting	flush mountable
Dimensions [mm]	40 x 40 x 105
Material	PC; PA; stainless steel
Displays / operating elements	
Display	Switching status 1 x LED, yellow
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit. 5 positions of the active zone possible
Pack quantity	1 pcs.

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Inductive sensor

IME3020BFPKG/3D

Electrical connection

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

Connection

