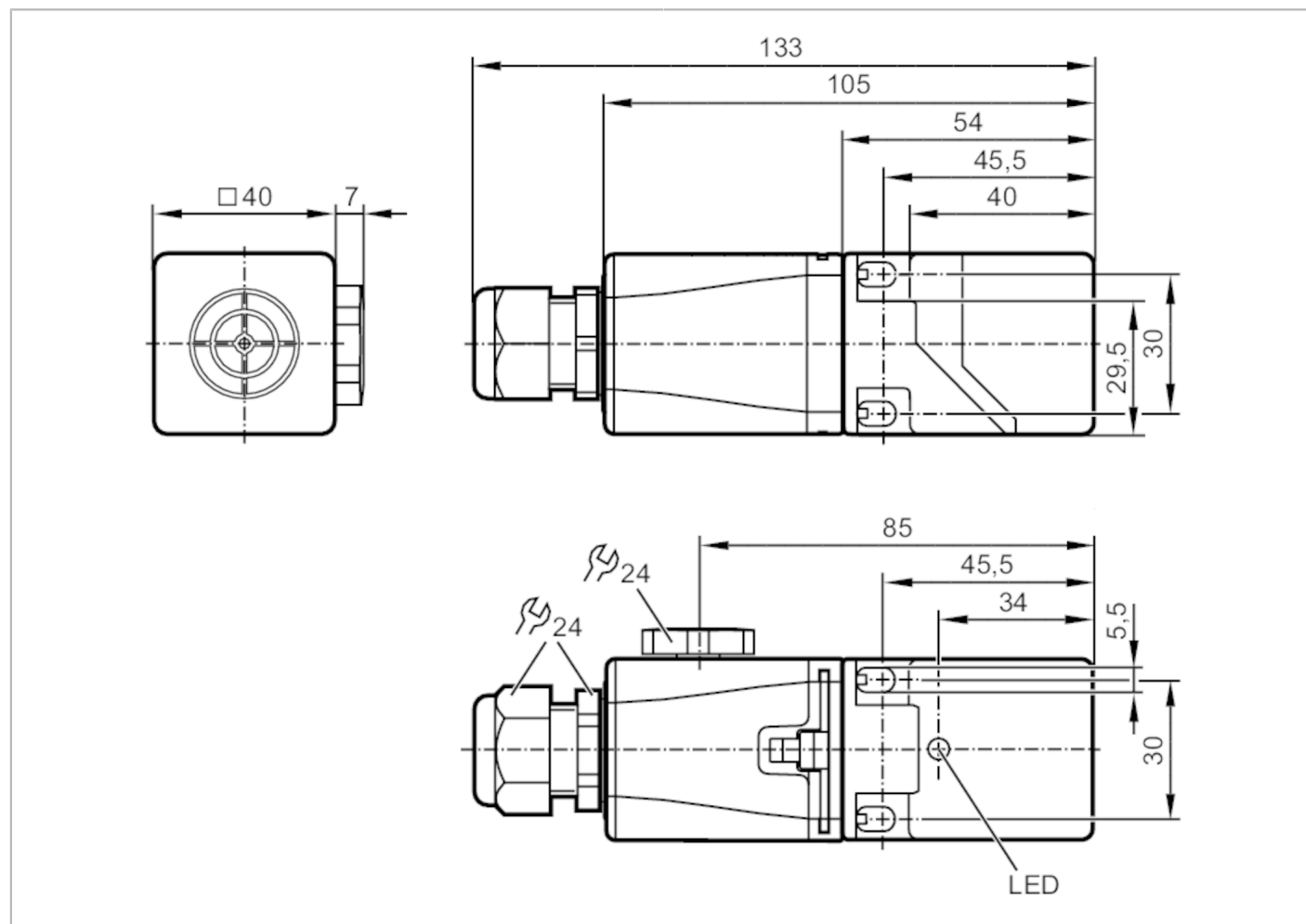


IM506A



Inductive sensor

IME3020BFPKG/3D



Product characteristics

Output function		normally open / normally 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

IM506A



Inductive sensor

IME3020BFPKG/3D

Outputs		
Output function	normally open / normally 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	
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]	243.5	
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.	

IM506A



Inductive sensor

IME3020BFPKG/3D

Electrical connection

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

Connection

