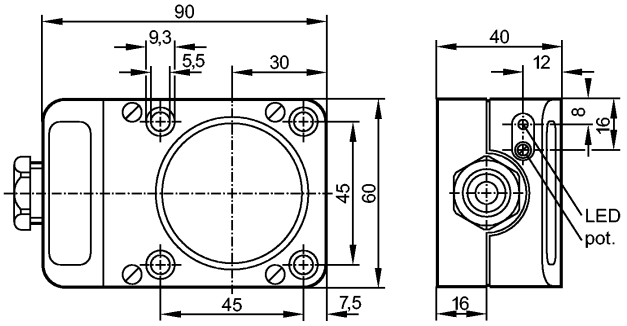
efector100

IC5005

ICE3040-FPKG

Inductive sensors



Product characteristics		
Inductive sensor		
Rectangular, plastics		
Terminals		
Sensing range 40 mm; adjustable; [nf] non-flush mountable		
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15 (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open / closed programmable
Voltage drop	[V]	< 2.5
Current rating	[mA]	250
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	15
Range		
Sensing range	[mm]	40, adjustable
Real sensing range (Sr)	[mm]	40 ± 10 %
Operating distance	[mm]	0...32.4
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	1261
Mechanical data		
Mounting		non-flush mountable
Housing materials		PPE

Weight	[kg]	0.267

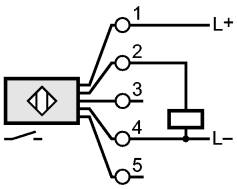
Displays / operating elements

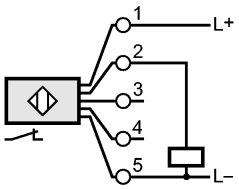
Output status indication	LED	yellow

Electrical connection

Connection	terminals up to 2.5 mm²; cable diameter 7...13 mm, cable gland M20 x 1.5

Wiring





Accessories

Accessories (included)	screwdriver; 4 spring washers; 4 cylinder screws; M5 x 35

Remarks

Pack quantity	[piece]	1