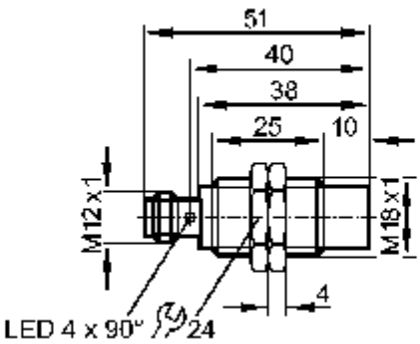
efector100

IGS207 **Inductive sensors**



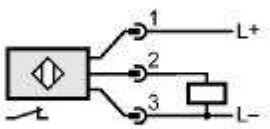
Made in Germany

Product characteristics		
Inductive sensor		
Metal thread M18 x 1		
Connector		
Increased sensing range		
gold-plated contacts		
Sensing range 12 mm [nf]		
non-flush mountable		
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 10
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally closed
Voltage drop	[V]	< 2.5
Current rating	[mA]	100
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	300
Range		
Sensing range	[mm]	12
Real sensing range	[mm]	

(Sr)		12 ± 10 %
Operating distance	[mm]	0...9.7
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
Environment		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...1000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011: class B
MTTF	[Years]	1935
Mechanical data		
Mounting		non-flush mountable
Housing materials		brass white bronze coated; active face: PBT (Pocan)
Weight	[kg]	0.044
Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
Electrical connection		
Connection		M12 connector; gold-plated contacts

Wiring





Accessories	
Accessories (included)	2 lock nuts