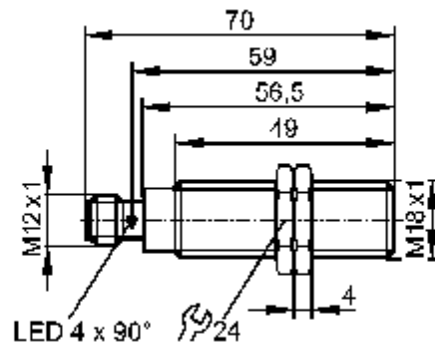


efector100®**IGS208****Inductive sensors**

Made in Germany

Product characteristics


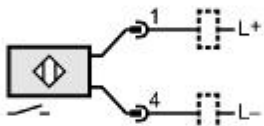
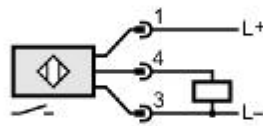
Inductive sensor
 Metal thread M18 x 1
 Connector
 Operation as 3-wire or 2-wire possible
 Increased sensing range
 Optical setting aid (2 LED)
 gold-plated contacts
 Sensing range 8 mm [f]
 flush mountable

Electrical data

Electrical design	3-wire DC PNP; 2-wire DC PNP/NPN
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 12 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.8
Minimum load current [mA]	2 *)
Leakage current [mA]	< 0.5 *)
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes

Switching frequency	[Hz]	400
Range		
Sensing range	[mm]	8
Real sensing range (Sr)	[mm]	$8 \pm 10 \%$
Operating distance	[mm]	0...6.5
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]	1364
Mechanical data		
Mounting		flush mountable
Housing materials		brass white bronze coated; active face: PBT (Pocan)
Weight	[kg]	0.055
Displays / operating elements		
Output status indication	LED	yellow
Setting aid	LED	red
Electrical connection		
Connection		M12 connector; gold-plated contacts
Wiring		
  		

Accessories

Accessories (included)

2 lock nuts

Remarks

Remarks

suitable for PLC type 1 according to IEC 61131-2
*) only in 2-wire operation

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