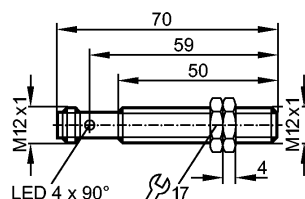


IFS208

IFKC004BASKG/M/US-104-DRS/2LED

Inductive sensors


Made in Germany

Product characteristics

Inductive sensor
Metal thread M12 x 1
Connector
Operation as 3-wire or 2-wire possible
Increased sensing range
Optical setting aid (2 LED)
Gold-plated contacts
Sensing range 4 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; only in 2-wire operation
Leakage current [mA]	< 0.5; only in 2-wire operation
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	500

Range

Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

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
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IFS208

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Inductive sensors

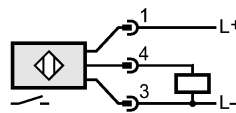
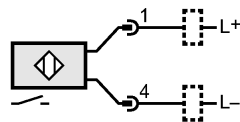
	EN 61000-4-3 HF radiated:	10 V/m
	EN 61000-4-4 Burst:	2 kV
	EN 61000-4-6 HF conducted:	10 V
	EN 55011:	class B
MTTF	[Years]	1306

Mechanical data		
Mounting		flush mountable
Housing materials		Brass white bronze coated; active face: PBT
Weight	[kg]	0.032

Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
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
Pack quantity	[piece] 1