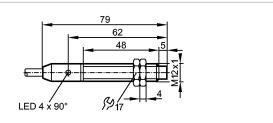




## IFKC007-ASKG/M/V4A/0.9M/PH/AS

Inductive sensors



C € EC 1935/2004		
Product characteristics		
Inductive sensor		
Metal thread M12 x 1		
Cable		
Operation as 3-wire or 2-w	ire possible	
Increased sensing range	•	
Optical setting aid (2 LED)		
Sensing range 7 mm; [nf] r	non-flush mo	ountable
Electrical data		
Electrical design		3-wire DC PNP; 2-wire DC PNP/NPN
Operating voltage	[V]	1030 DC
Current consumption	[mA]	12 (24 V)
Protection class	<u>[</u>	
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	<u>[</u>	pulsed
Overload protection		yes
Switching frequency	[Hz]	700
Range	[۱۰۲]	
Sensing range	[mm]	7
Real sensing range (Sr)	[mm]	7 ± 10 %
Operating distance	[mm]	05.7
Accuracy / deviations	[]	
Correction factors	I	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.4 / Cu
		approx. 0.3
Hysteresis	[% of Sr]	315
Switch-point drift	[% of Sr]	-1010
Environment		
Ambient temperature	[°C]	0100
Protection		IP 68 / IP 69K; "COP"
Tests / approvals		
EMC		EN 61000-4-2 ESD: 4 kV CD / 8 kV AD
		EN 61000-4-3 HF radiated: 10 V/m
		EN 61000-4-4 Burst: 2 kV
		EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20hm)
		EN 61000-4-6 HF conducted: 10 V
		EN 55011: class B
MTTF	[Years]	1287
Mechanical data	1	,
Mounting		non-flush mountable

## IFT241 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials		housing: stainless steel (316L); active face: PEEK (polyether ether ketone)
Weight	[kg]	0.087
Displays / operating elen		
Output status indication	LED	yellow (4 x 90°)
Setting aid	LED	Red
Electrical connection		
Connection		PUR cable / 0.9 m; 3 x 0.34 mm²; Ø 4.9 mm; with M8 connector
Wiring		
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Accessories		
Accessories Accessories (included)		2 lock nuts
Accessories Accessories (included) Remarks		2 lock nuts

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