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IIK3012BBPKG/M/60V/US-104-DPS

$ \begin{array}{c} 70 \\ 59 \\ 57 \\ 53 \\ 53 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10$			
Product characteristics			
Inductive sensor			
Metal thread M30 x 1.5			
Quick disconnect			
Increased sensing range			
gold-plated contacts			
e1 type approval			
Sensing range 12 mm; [f] flush mounta	able		
Electrical data			
Electrical design	DC PNP		
Operating voltage [V]	1060 DC; cULus - Class 2 source required		
Current consumption [mA]	< 10		
Protection class			
Reverse polarity protection	yes		
Outputs	· · · · · · · · · · · · · · · · · · ·		
Output function	normally open		
Voltage drop [V]	< 2.5		
Current rating [mA]	200		
Short-circuit protection	yes (non-latching)		
Overload protection	yes		
Switching frequency [Hz]	100		
Monitoring range	J		
Sensing range [mm]	12		
Operating distance [mm]	09.72		
Accuracy / deviations	۱ <u> </u>		
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx.		
	0.46 / copper approx. 0.35		
Hysteresis [% of Sr]	120		
Environment			
Ambient temperature [°C]	-4085		
Protection	IP 67 / IP 69K		
Tests / approvals			
EMC	Automotive area		
	Noise emission and noise		
	interference according to the automotive directive 95/54/EC (e1 type approval)		
	automotive directive 95/54/EC (e1 type approval) Noise interference according to DIN		
	ISO 11452-2: 100 V/m		
	Conducted interference according		
	to ISO 7637-2		
	Pulse 1 2 3a 3b 4 5		
	Severity level IV IV IV IV IV IV		
	Failure criterion C C A A A C		

EN 61000-4-2 ESD:

4 kV CD / 8 kV AD

IIM208 - Inductive sensor - eclass: 27270101 / 27-27-01-01

	EN 61000-4-3 HF radiated: EN 61000-4-4 Burst: EN 61000-4-5 Surge: EN 61000-4-6 HF conducted: EN 55011:	10 V/m 2 kV 0.5 kV (Mains line to line) 10 V class B
Vibration resistance	EN 60068-2-6 Fc	20 g (103000 Hz) / -20°C and 50°C 50 cycles per frequency, 1 octave per minute in each of 3 mutually perpendicular axes
Shock resistance	EN 60068-2-27 Ea	100 g (11 ms half sine; 3 shocks in each direction along the three coordinate axes) / -40°C and 85°C
Continuous shock resistance	EN 60068-2-29 Eb	40 g (6 ms; 4000 shocks in each direction along the three coordinate axes) / -20°C and 50°C
Fast temperature changes	EN 60068-2-14 Na	TA = -40°C; TB = 85°C; t1 = 30 min; t2 = < 10 s; 50 cycles
Salt spray test	EN 60068-2-52 Kb	severity level 5 (4 test cycles)
MTTF [Years]	907	
Mechanical data		
Mounting	flush mountable	
Housing materials	housing: stainless steel; active face: PBT; lock nuts: brass	
Weight [kg]	0.135	
Displays / operating elements		
Output status indication LED	yello	w (4 x 90°)
Electrical connection		
Connection	M12 connector; gold-plated contacts	
Wiring ² ³ ⁴ 		
Accessories Accessories (included) Remarks	21	ock nuts
Pack quantity [piece]		1

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