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IGS209

IGKC012-ASKG/M/US-104-DRS/2LED

$\begin{array}{c} 70 \\ 60 \\ 58 \\ 40 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10$			
		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		aquetable	
Sensing range 12 mm; [nf	j non-nusn n	Iountable	
Electrical data Electrical design		3-wire DC PNP; 2-wire DC PNP/NPN	
Operating voltage	[V]	1030 DC	
Current consumption	[v] [mA]	< 12 (24 V)	
Protection class	[1183]		
Reverse polarity protection	n	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	
Current rating Short-circuit protection	[mA]	100 pulsed	
	[mA]		
Short-circuit protection	[mA]	pulsed	
Short-circuit protection Overload protection		pulsed yes	
Short-circuit protection Overload protection Switching frequency		pulsed yes	
Short-circuit protection Overload protection Switching frequency Range	[Hz]	pulsed yes 300	
Short-circuit protection Overload protection Switching frequency Range Sensing range	[Hz] [mm]	pulsed yes 300 12	
Short-circuit protection Overload protection Switching frequency Range Sensing range Real sensing range (Sr) Operating distance Accuracy / deviations	[Hz] [mm] [mm]	pulsed yes 300 12 12 ± 10 % 09.7	
Short-circuit protection Overload protection Switching frequency Range Sensing range Real sensing range (Sr) Operating distance Accuracy / deviations Correction factors	[Hz] [mm] [mm]	pulsed yes 300 12 12 ± 10 % 09.7	
Short-circuit protection Overload protection Switching frequency Range Sensing range Real sensing range (Sr) Operating distance Accuracy / deviations Correction factors Hysteresis	[Hz] [mm] [mm] [mm] [% of Sr]	pulsed yes 300 12 12 ± 10 % 09.7 mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3 315	
Short-circuit protection Overload protection Switching frequency Range Sensing range Real sensing range (Sr) Operating distance Accuracy / deviations Correction factors Hysteresis Switch-point drift	[Hz] [mm] [mm]	pulsed yes 300 12 12 ± 10 % 09.7	
Short-circuit protection Overload protection Switching frequency Range Sensing range Real sensing range (Sr) Operating distance Accuracy / deviations Correction factors Hysteresis Switch-point drift Environment	[Hz] [mm] [mm] [mm] [% of Sr] [% of Sr]	pulsed yes 300 12 12 ± 10 % 09.7 mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3 315 -1010	
Short-circuit protection Overload protection Switching frequency Range Sensing range Real sensing range (Sr) Operating distance Accuracy / deviations Correction factors Hysteresis Switch-point drift	[Hz] [mm] [mm] [mm] [% of Sr]	pulsed yes 300 12 12 ± 10 % 09.7 mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3 315	



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Inductive sensors

EMC	EN 61000-4-2 ESD:4 kV CD / 8 kV ADEN 61000-4-3 HF radiated:10 V/m (801000 MHz)EN 61000-4-4 Burst:2 kVEN 61000-4-6 HF conducted:10 V (0.1580 MHz)EN 55011:class B		
MTTF [Years]	1359		
Mechanical data			
Mounting	non-flush mountable		
Housing materials	Brass white bronze coated; active face: PBT (Pocan)		
Weight [kg]	0.055		
Displays / operating elements			
Output status indication LED	yellow (4 x 90°)		
Setting aid LED	Red		
Electrical connection			
Connection	M12 connector; Gold-plated contacts		
Wiring $2 \xrightarrow{3} 4$ $3 \xrightarrow{4} 4$ $2 \xrightarrow{3} 4$ $2 \xrightarrow{3} 4$ $2 \xrightarrow{3} 4$ $2 \xrightarrow{4} 3$ $2 \xrightarrow{4} 3$ $3 \xrightarrow{4} 3$			
Accessories			
Accessories (included)	2 lock nuts		
Remarks			
Remarks	suitable for PLC type 1 according to IEC 61131-2 *) only in 2-wire operation		
Pack quantity [piece]	1		

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