HORN®

Sensors • Monitoring • Systems

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Technical data sheet - Phase Sensor FGL01364-1K

Type: Inductive Phase sensor with amplifier Type FGL 01364-1K

Description: With this type of sensors objects like gear wheels, punched discs or Integral shafts made of steel can be sensed. They consist out of a coil with an oscillator circuit and an amplifier. Changing the air gap between object and sensor tip causes voltage changes in the coil/oscillator system which are appraised.

Usage: Attention!
Sensor tip should not touch detected measuring object.
Air gap must be adjusted and sensor has to be fixed with one or two nuts (torque max. 15 Nm). Screen is connected to connector's case at connector version and to pick up housing at cable versions.
Do not disconnect cable or connector if pick-up is energized.

Maintenance: Sensors is maintenance free. Based on global maintenance cycle the sensor should be exchanged latest after 25 years in operation.

Supply voltage	+10...32 VDC	
	<+10 VDC	undefined work
	>+32 VDC	destroyed
Output current max.:	180 mA	
Output signal:	PNP	
Polarity protection:	Yes	
Short circuit protection:	Yes	
Function:	N.O.	
Mounting:	Flush	
Mounting distance to gear:	depends on module Frequency range:	0 Hz...1 kHz
Operating temperature:	-25°C...+85°C	
Operating temperature max.:	-25°C...+100°C	
Storage temperature:	-41°C...+90°C	
Cable gland insert:	TPE-V	
Housing:	1.4305 (AISI 303)	
Dimensions:	see drawing FGL01364-1...	