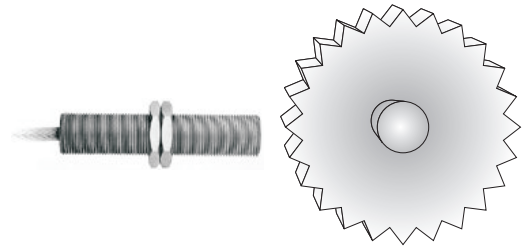


The pulse sensors FGL 008... are designed for a non-contact speed sensing on objects made of ferromagnetic material and for connection to digital speed indicators or frequency to analogue converters. They consist of a differential MDR sensor followed by an amplifier with an open collector output.

Both sensors with 3-wire connection they generate a square wave signal. In comparison with inductive or capacitive 3-wire sensors they give the advantage for non-contact speed measurement, to generate perfect signals all over the interesting frequency range with a relatively big gap also at small modules.



Technical Data

Sampling frequency range :	0 ... 20 kHz
Air gap	<2mm at module 2 ; <1.5mm at module 1
Auxiliary voltage	$U_B = +7 \dots 30V$ /no load current maximum 12mA; safe against incorrect polarity of power supply.
Maximum cable length :	Approx. 300 m
Output :	Square wave voltage, no load current max. 12mA Output on both sides safe against short circuit ($I_{max} = 17mA$)
Working temperature :	0 ... 80°C
Storage temperature	-10 ... 85°C
Housing :	IP 67 DIN 40050
Weight :	110 g with connection cable 150 g with plug connector

