



Technical Data:

Power supply range: 10-30V DC, transient overvoltage proof

Frequency range: 0.05-20kHz

Air gap: 0.2-1.0mm, for module 1 gear wheel
0.2-2.5mm, for module 2 gear wheel

Current consumption: $I_{static} < 16mA$, $I_{load} < 35mA$

Output stage: push-pull, short circuit and reverse polarity proof

Output voltage with load: $U_{high} > U_{supply} - 4V$, $U_{low} < 0.1V$

Operational temp. range: $-40^{\circ}C \dots +125^{\circ}C$

Insulation: Housing and channel galvanically separated, 500V DC, $> 100M\Omega$

Cable: FEP Teflon cable, Max. $\varnothing 4$, $4 \times 0.24mm^2$, min. bending radius 60mm

Protection class: IP68(sensor head), IP67(calbe outlet)

Vibration: 5g in range of 5-2000Hz

Shock: 50g for 20ms, half sine wave

EMC: please contact HALMERT for detailed information

Mounting: Max. tightening moment 50Nm

PN.: 90148		Material: 1.4305(housing)		Dimension mm	Copy right belong to HALMERT					
				Reference tolerance for undefined						
				Dimension range	>0.5 -5	>6 -30	>30 -120	>120 -400	>400 -1000	>1000 -2000
				Tolerance \pm	0.1	0.2	0.3	0.5	0.8	1.2
				Others No	Draw: HZ	Draw date: 10.09.19				
Rev. Date Sign.				Check: SZ	Check date: 11.09.19					
PART NAME				Rate: 3:2	Approve: VY	Approve date: 11.09.19				
Speed Sensor SF1810.00-H5				Format	Status	Doc. No.	Version			
HALMERT/ www.halmert.cn				A4	Approved	90148-01	Rev.01			