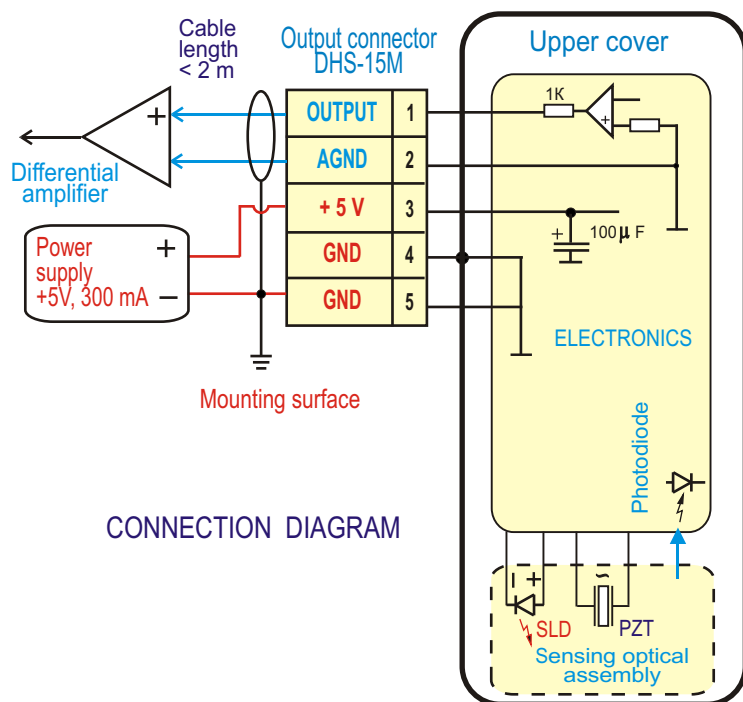


OUTLINE DRAWING



CONNECTION DIAGRAM

MAIN PARAMETERS

Input range	± 80 deg/s (± 15%)
Scale Factor (SF) *	24 (37) mV/deg/s (± 15%)
Frequency range	0...450 Hz
Noise (PSD)	0.01 mV/√Hz
Bias variation (steady state)	0.007 mV (RMS)
SF variation (steady state)	0.05 % (RMS)
SF change (over temp. range)	- 0.05 % / °C
Readiness time	0.1 s

ENVIRONMENT

Temperature operating	-30°C ... +70°C
non-operating	-55°C... +85°C
Vibration non-operating	2 g (RMS), 20Hz... 500Hz
Shocks non-operating	40 g, 1 ms

RELIABILITY

MTBF	30000 hours (20°C, predicted)
Lifetime (predicted)	15 years

* SF value (24 or 37) - at the discretion of manufacturer

Output connector DHS-15M

Contact	Name	Description
1	OUTPUT	Output voltage proportional to rotation, scale factor 24 (or 37) mV/deg/sec. Differential input recommended.
2	AGND	Analog ground to use with "OUTPUT". Differential input recommended. Galvanic coupling with "GND".
3	+ 5 V	Power input +5V ± 0.25V, 300mA max, ripple 10mV max within 0-1MHz
4, 5	GND	Power return line, ground, electrically connected to the sensor's cover
6-15	-	Not used

1. Ω - sensing axis, $90^\circ \pm 0.2^\circ$ to the reference plane
2. Dissipation - 1.5 W
3. Weight - 700 gram
4. Volume - 0.55 litre
5. Housing material - aluminum alloy
6. Tolerances - H12; h12, T12

MOUNTING AND CONNECTING

1. Do not deform housing and output pins
2. Fragile components inside - no shocks, no drop
3. Treat as electrostatic sensitive unit
4. Mounting surface must be grounded
5. Power must be off during connecting
6. After installation calibrate bias and scale factor