

Rotational Speed Sensor TQG15B

The TQG15 series multi-channel active photoelectric speed sensor transmits square-wave signals via a universal joint and features anti-idling and anti-coasting protection control. It offers excellent performance, high reliability, and multiple specifications for selection, and is widely used in electric and diesel locomotives.

Parameters

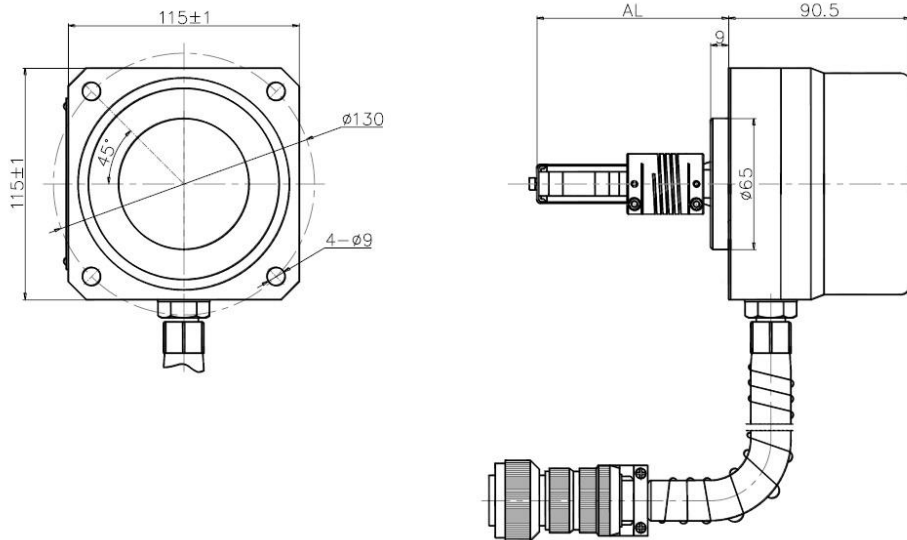
Operating Parameters

- Measuring Range: 0~3000rpm
- Output Channels: 2
- Shaft distance: Standard axel spacing
- Output Waveform: Square wave
- Pulse Amplitude: $HL \geq V_{cc} - 2.5V$
 $LO \leq 1V$
- Pulses per revolution: 200
- Duty Cycle: $50\% \pm 20\%$
- Phase Shift: $90^\circ \pm 45^\circ$
- Insulation Resistance: $\geq 100M\Omega @ 500VDC$
- Dielectric Strength: 1500Vrms/50Hz/1min between all leads and housing
500V/50Hz/1min between channels

PIN Configuration

Corresponding PIN configuration for 1/2/3/4 Channel sensors				
Output Channels	V+	Output	V-	Shield
1	C	B	A	
2	G	E	F	D
3	J	I	H	K
4	N	L	M	

Outline & Interface



- Electrical Connector: JL5-14TJ connector