D12P GREEN LINE Differential Hall Effect Speed Sensor

Housing: M 12 x 1 **Cable:** 0.35 m PTFE cable with AMP connector

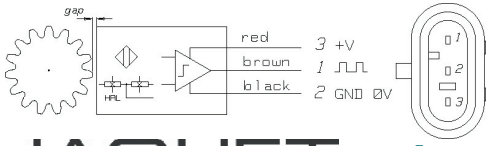
GREEN LINE
STANDARD SPEED SENSORS

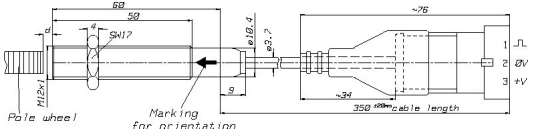
P/N: 385Z-05334

Supply voltage:	8...32 VDC, protected against reverse polarity
Signal output:	Square wave signal from Push-Pull stage, DC-coupled to the supply (negative pole = reference voltage) max. load 30 mA. Output voltage HI: › power supply voltage - 2.5V (at I=10mA). Output voltage LO: ‹ 1.4V (at I=10mA) .
Operating temperature:	-20....+ 100 ˚C
Frequency range:	5 Hz...25kHz
Cable:	0.35 m PTFE cable, 3 conductor 0.24 mm2 (AWG24) w/ AMP Superseal 1.5, 3 pins
Air gap:	For pole wheels: M 1.0 (DP 25.4) 0.1...1.5 mm and N M 2.0 (DP 12.7) 0.1 ... 2.0 mm

Installation: The sensor wires must be laid as far as possible from large electrical machines. They must not be run parallel in the vicinity of power cables.The maximum permissible cable length is 20m (65 feet). The sensor should be mounted with the middle of the face side over the middle of the pole wheel. Where the pole wheel has teeth or slots and with radial sensor location, the sensor would normally be mounted over the centre. Dependent upon the wheel width a degree of axial movement is permissible. **A solid and vibration free mounting of the sensor is important.**

Connecting diagram and sensor orientation:





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IN CHARGE OF SPEED