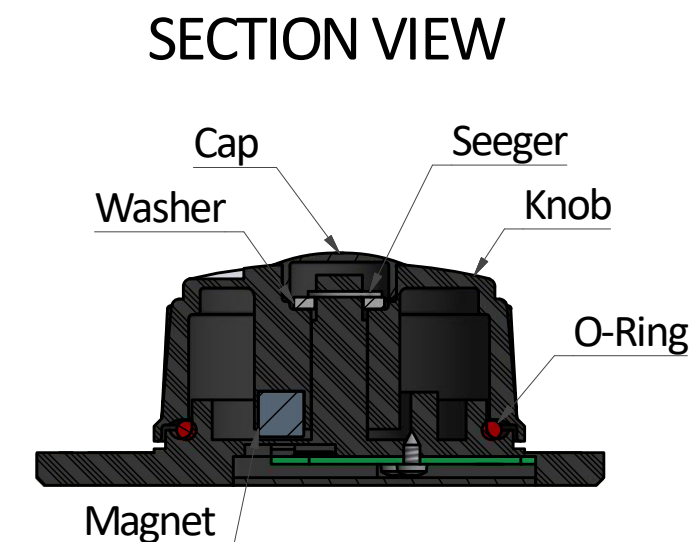
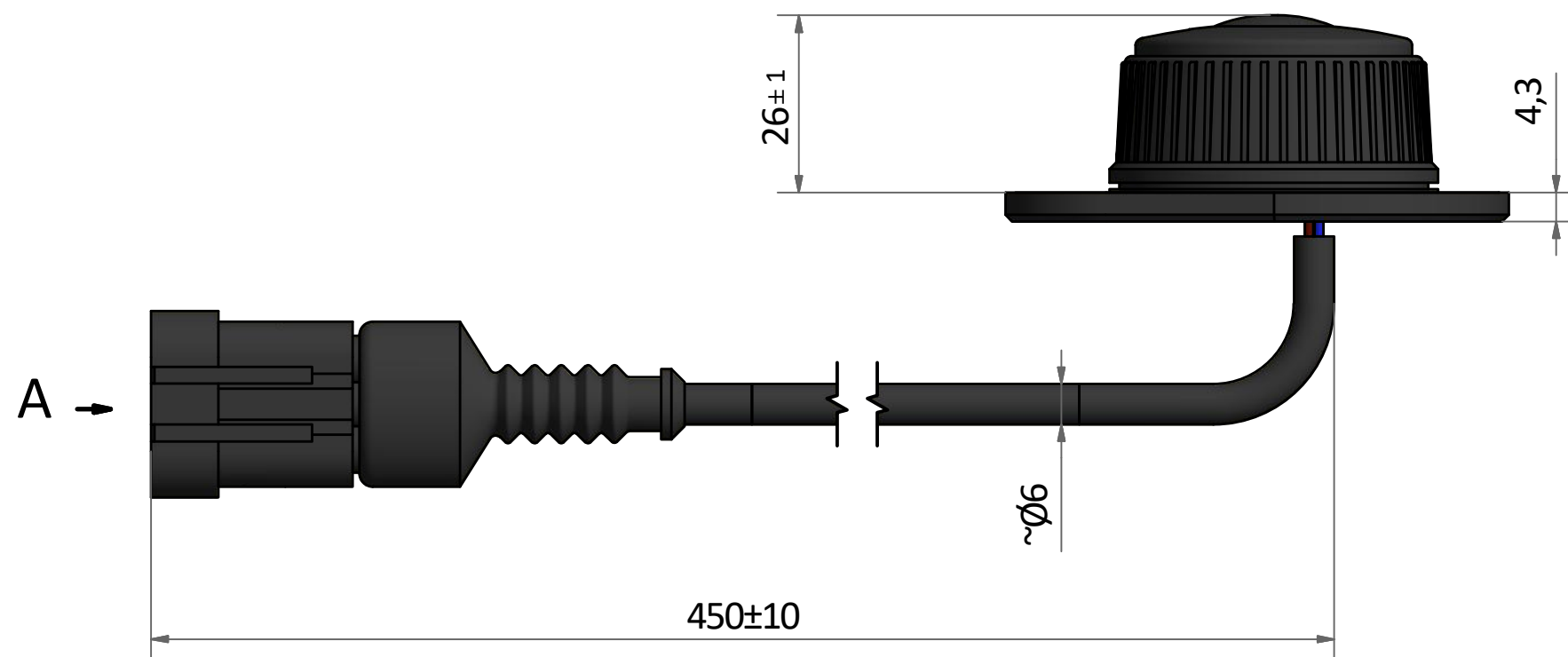
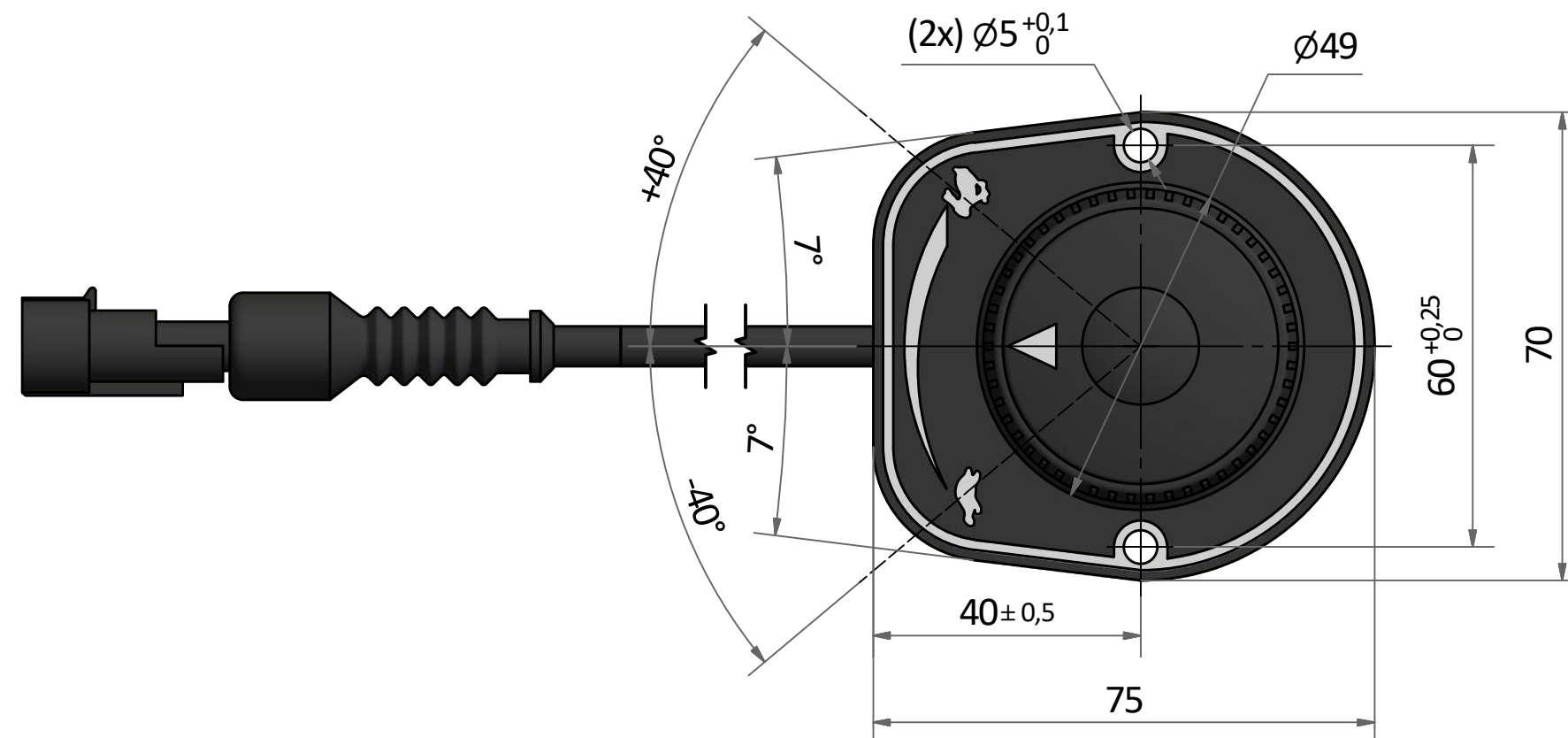
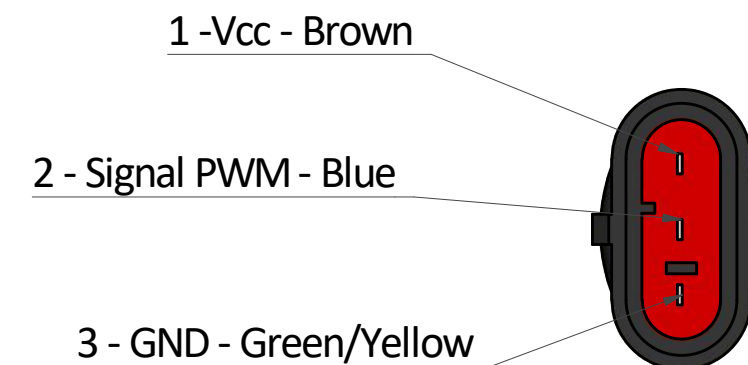




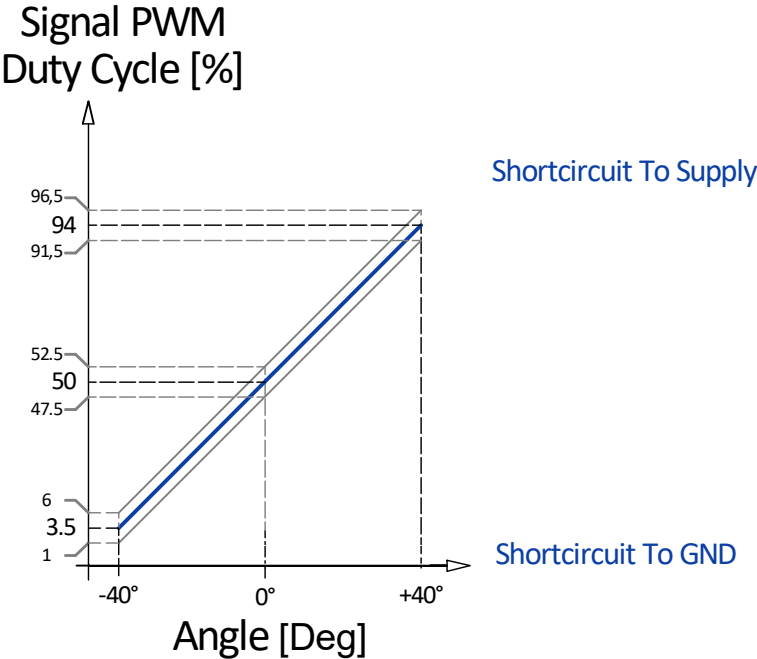
View From "A"



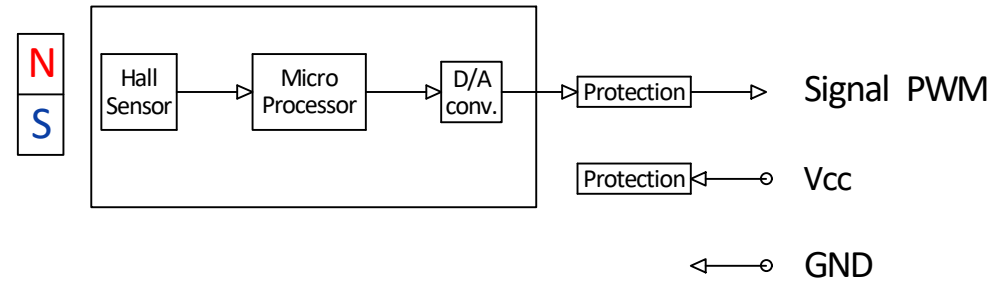
Ref.	Description	Operating temperature
1	HT 105° Cable	-25 / +105
2	Tyco Superseal 3-Way Connector	-40 / +125

 ELEN industrial vehicles sensors		www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)	
		Part Number:		AA020585-7	
Rev.		Date	Sign.	Review Description	
Designed		30/09/2021	Matteo M.	Description: Accelerator Knob - PWM Output	
Checked				Scale: 1 : 1 (A3 format)	
Approved				Dimensions without tolerance indication: ISO 2768 - m	
				Units mm	Page 1 / 2

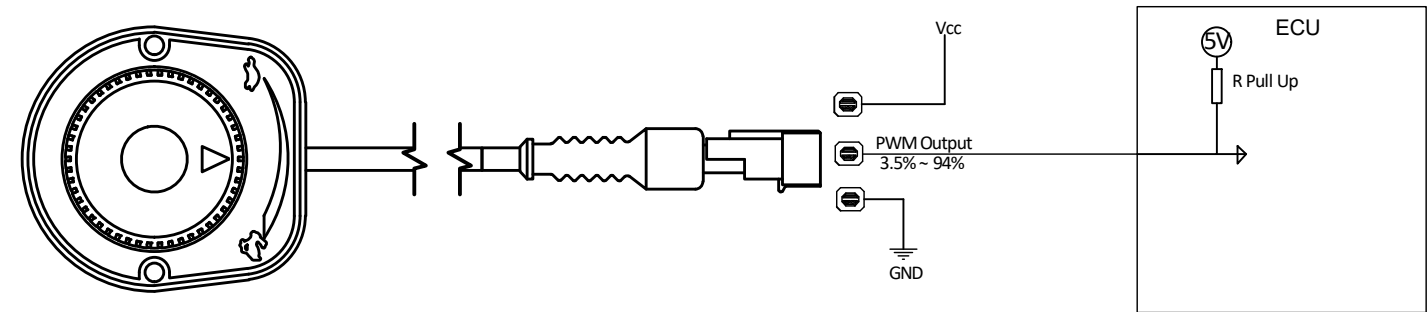
■ Output Signal



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	Min 10V - Max 30V	ELEN PDV Rev. 3 - 5.1
	EMC Compatibility	BCI - Class "A" - 100mA ; 1~400 MHz	ISO 11452-4
	Electrostatic Discharge Protection	±8kV Contact ; ±15kV Air Discharge	EN 61000-4-2
	Overload Protection	24 mA For 1h	ELEN PDV Rev. 3 - 5.6
	Overvoltage Protection	+36 V For 1h	ELEN PDV Rev. 3 - 5.7
	Dielectric Rigidity	750V@50Hz For 60s	ELEN PDV Rev. 3 - 5.11
	Insulation Resitance	1000 MOhm@500V	ELEN PDV Rev. 3 - 5.10
	Supply Current	<= 20mA	ELEN PDV Rev. 3 - 5.2
	Open collector PWM output	Duty Cycle (%) = 3.5 ÷ 94 (±2.5) 5V see output signal picture	-
	Output Current	20 mA Max	ELEN PDV Rev. 3 - 5.5
	PWM Signal Frequency	500 Hz (±40 Hz)	-
	Output Linearity	Better than 1%	-
Environmental	Temperature Operating Voltage	36V@105°C For 1h	ELEN PDV Rev. 3 - 5.8
	Operating Temperature	-40°C ~ +105°C	IEC 60068-2-1; IEC 60068-2-2; IEC 60068-2-30; IEC 60068-2-14
	Storage Temperature	-40° ~ +115°C	IEC 60068-2-1; IEC 60068-2-2; IEC 60068-2-30; IEC 60068-2-14
	Degree of Protection	IP 67	IEC 60529
	Vibrations Resistance - Sine	(5÷12.87) Hz@dis±15mm ,(12,87÷200) Hz@dis<±15mm@5g, 1 Octave/min , 20 Sweep Cycles	EN 60068-2-6 ISO 15998
Mech.	Vibrations Resistance - Random	f=10Hz@PSD=1.44g2/Hz; f=100Hz@PSD=3.85 g2/Hz, f=1000Hz@PSD=3.85g2/Hz, f=2000Hz@PSD=0.96g2/Hz; 3 Axes - 24h for Axis	IEC 60068-2-6; ENS 0310 Rev.J
	Body Material	Nylon 6.6 GF	-
	Tightening Torque	7 Nm	-