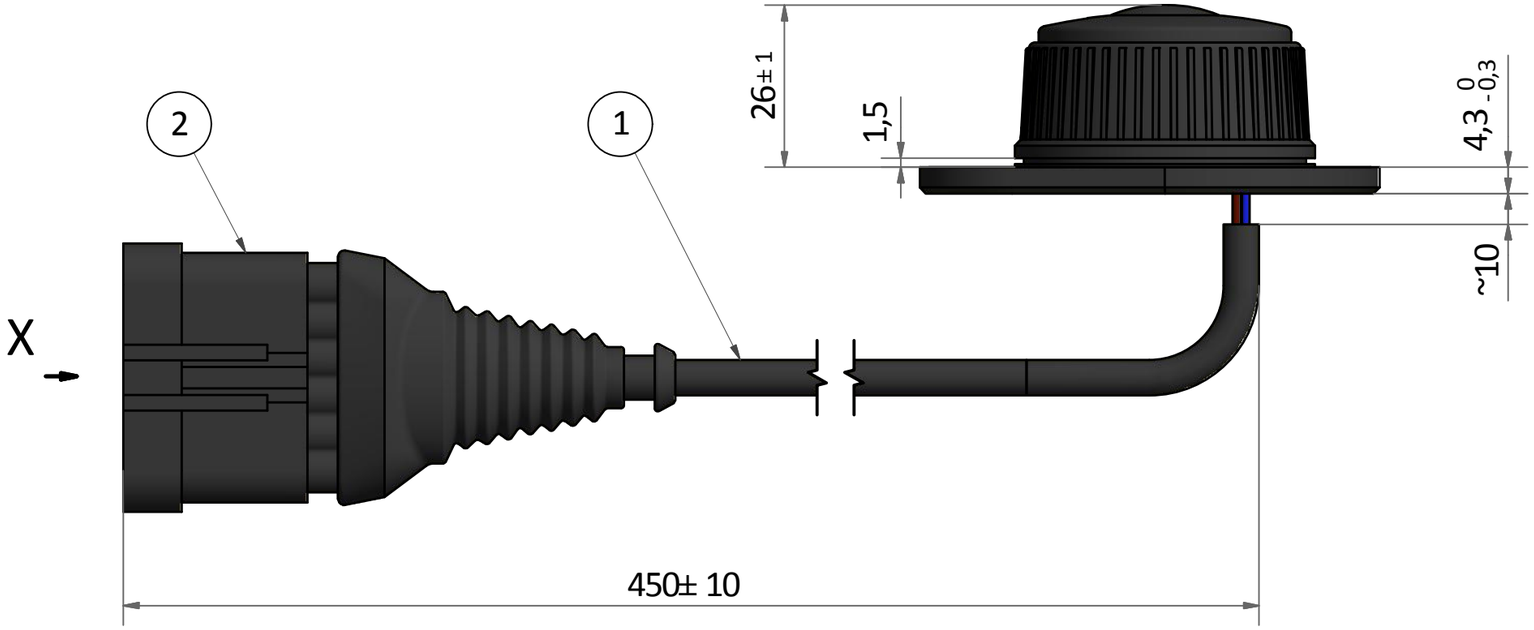
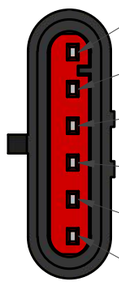
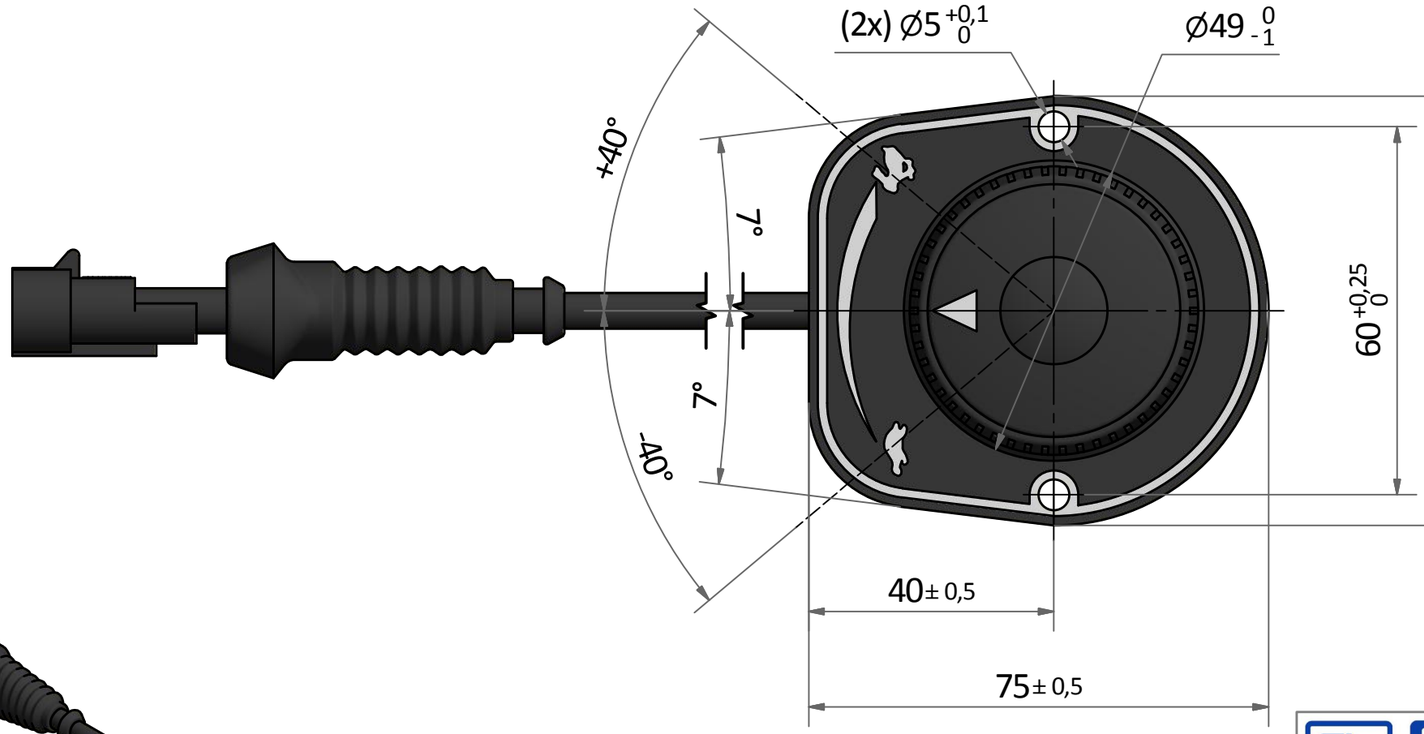
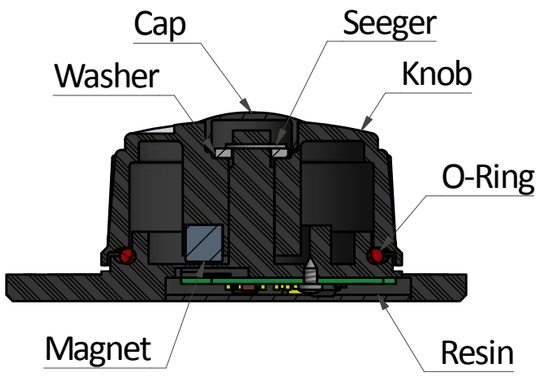


X (1 : 1)







Ref.	Description	Operating temperature
1	HT Cable 80°C 5x0.34mm²	-30 / +80
2	Tyco Superseal 1.5 Series 6 Pins Connector	-40 / +125

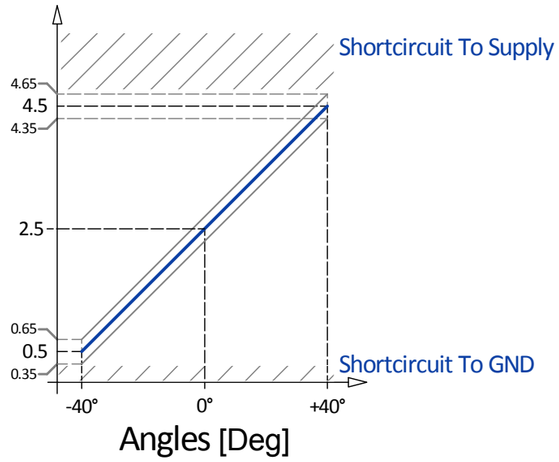
ELEN industrial vehicles sensors

Rev.	Date	Sign.	Review Description

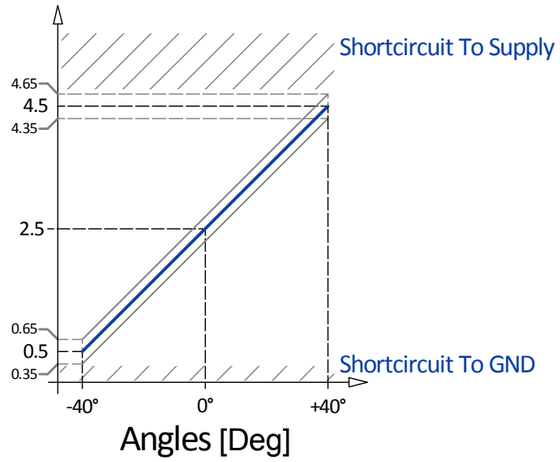
www.elensrl.com			Elen Srl - Garbagnate Milanese (MI)
Part Number:			AA020584-6
Description:			Manopola Praxis ±40° 5V
Designed	10/12/2021	alorenzetto	Scale : 1 : 1 (A3 format)
Checked	-	-	Dimensions without tolerance indication: ISO 2768 - m
Approved	-	-	Units mm

■ Output Signal

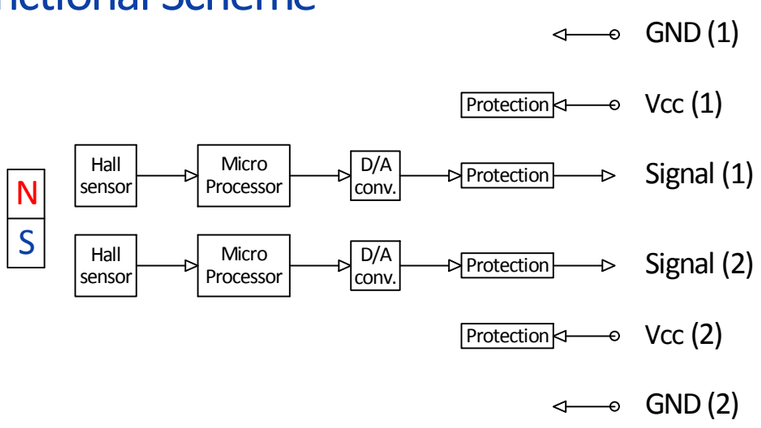
Signal 1 (V)
@Vin = 5V



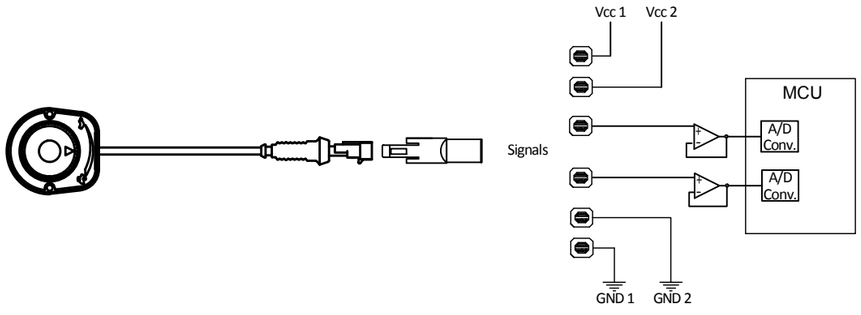
Signal 2 (V)
@Vin = 5V



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	4.5V Min ÷ 5.5V Max	PDV Rev. 3 - P. 5.1;
	Output Current	1 mA Max	PDV Rev. 3 - P. 5.5;
	Supply Current (No Load)	30 mA Max	PDV Rev. 3 - P. 5.2;
	Output Signal (1)	Linear 0.5V@-40° ÷ 4.5V@+40°	-
	Output Signal (2)	Linear 0.5V@-40° ÷ 4.5V@+40°	-
	Overload Protection	1.2mA For 1h (20 mA For 1h)	PDV Rev. 3 - P. 5.6;
	Overvoltage Protection	6.5V For 1h (20 V For 1h)	PDV Rev. 3 - P. 5.7;
	Temperature Operating Voltage	5.5V @80°C	PDV Rev. 3 - P. 5.8;
	Indipendent IVS Circuit	OptoIsolated, Closed@Voutput<1,25V ; Open@1.25V <Voutput	PDV Rev. 3 - P. 5.9;
	Reverse Polarity Protection	-5.5V For 1h (-20V For 1h)	PDV Rev. 3 - P. 5.3;
	Shortcircuit Protection	To Ground For 5' ; To Supply For 5'	PDV Rev. 3 - P. 5.4;
	Insulation Resistance	1000MΩ@500V	PDV Rev. 3 - P. 5.10;
	Dielectric rigidity	750V@50Hz For 60s	PDV Rev. 3 - P. 5.11;
	ESD protection	±8kV Contact; ±15kV Air	EN 61000-4-2;
	Linearity	±1%	-
	Response time	3 msec	-
	Resolution	<0.1°	-
	Maximum Load Recommended Output	>4kOhm	
Environmental	Operating Temperature	-30°C ÷ +80°C	IEC 60068-2-14;IEC60068-2-1; IEC 60068-2-30 ;IEC60068-2-2;
	Storage Temperature	-40°C ÷ +100°C	IEC 60068-2-14;IEC60068-2-1; IEC 60068-2-30 ;IEC60068-2-2;
	Degree Of Protection	IP67	IEC 60529
	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
	Vibrations Resistance - Sine	(5÷12.87)Hz@Displacement=±15mm, (12.87÷200)Hz@dis≤±15mm@5g, 1Octave/min, 20 Sweep Cycles	IEC 60068-2-6;ISO 15998;
	EMC Compatibility - Magnetic Field Imm.	15Hz ÷ 150 kHz	ISO11452-8:2007;
	EMC Compatibility - BCI	BCI Class "A" - 100mA; (1÷400)MHz	ISO11452-4;
Mech.	Body Material	Nylon 6.6 GF	-
	Tightening Torque	7 Nm	-