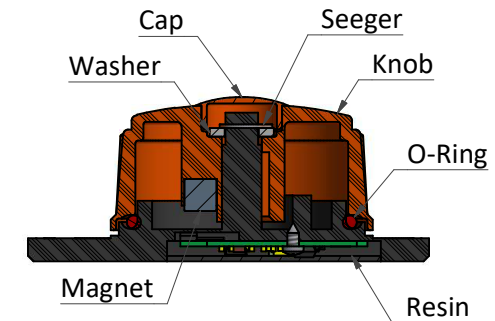
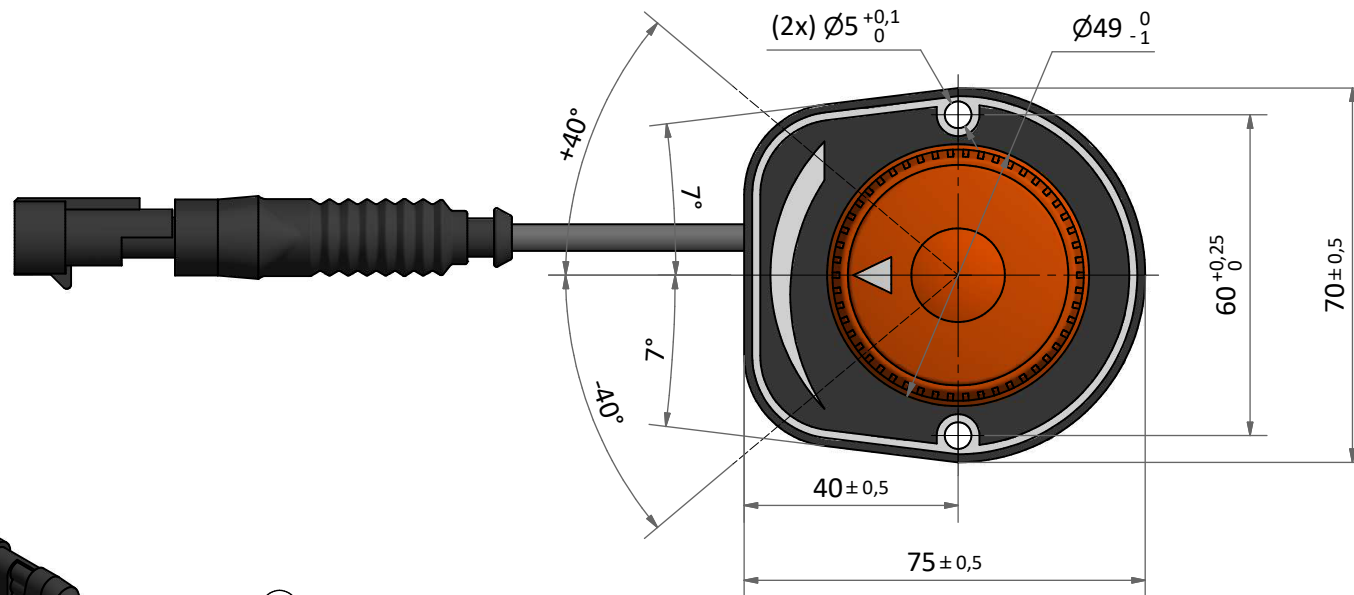
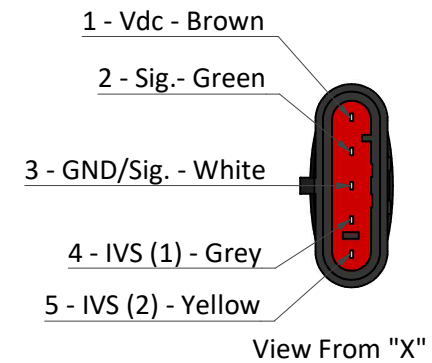
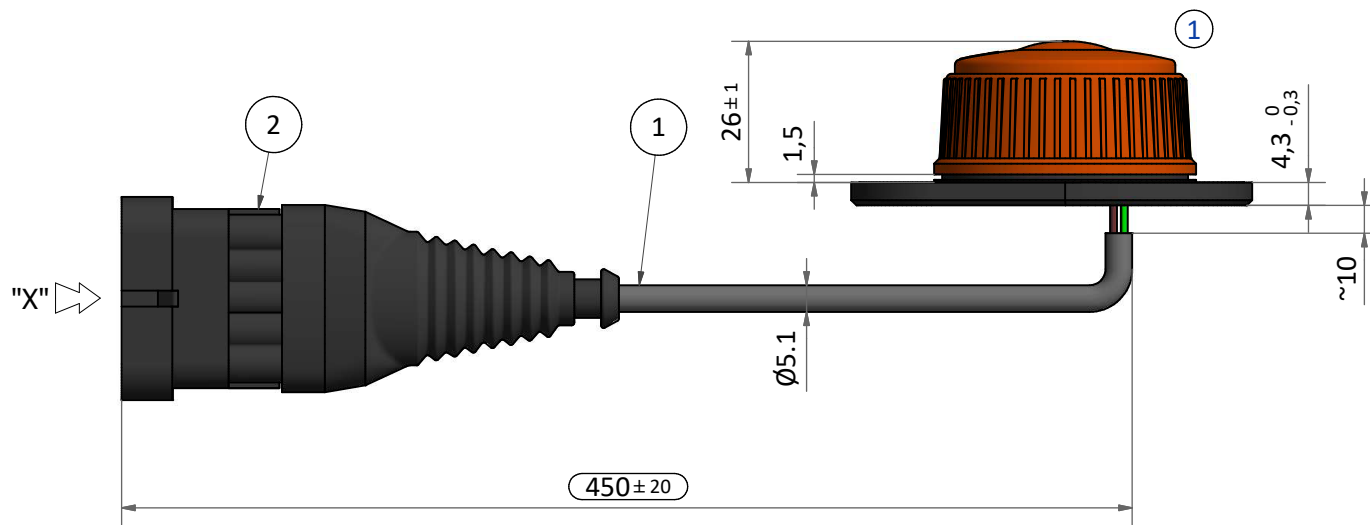


Ref.	Description	Operating temperature
1	HT Cable 80°C 5x0.34mm ²	-30 / +80
2	Tyco Superseal 1.5 Series 5 Pins Connector	-40 / +125

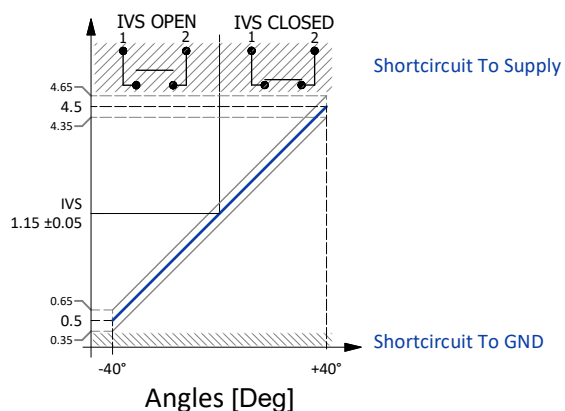


Rev.	Date	Sign.	Review Description
1	26/02/2020	G.M.	Updated Knob Colour (was black)

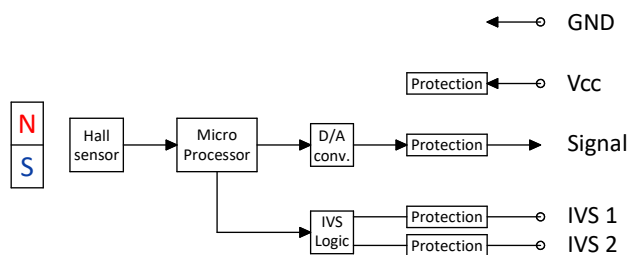
www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)	
Part Number:		AA020584	
Description:		Accelerator Knob ±40° 5V Single Sig. IVS NO	
Designed	04/10/2016	Mirko L.	Scale : 1 : 1 (A3 format)
Checked			Dimensions without tolerance indication: ISO 2768 - m
Approved			Units mm

Output Signal

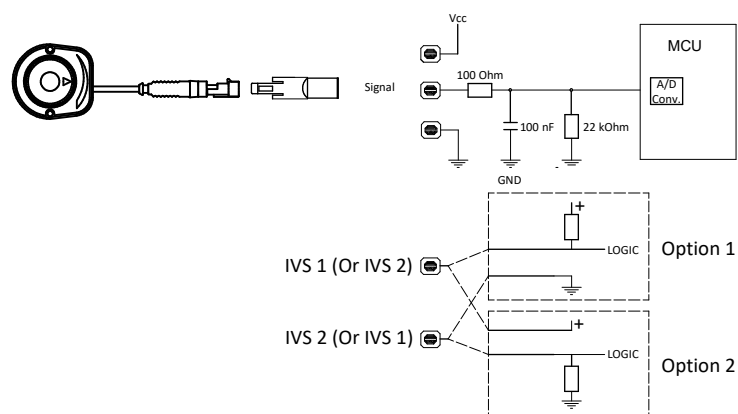
Signal (V) @Vin = 5V



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	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;
	Independent IVS Circuit	Optoisolated, Open@Vin<1,15V ; Closed @ 1.15V <Vin	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	>4.7 kOhm	
Environmental	Operating Temperature	-30°C ÷ +80°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Storage Temperature	-40°C ÷ +100°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	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, 10Octave/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	-