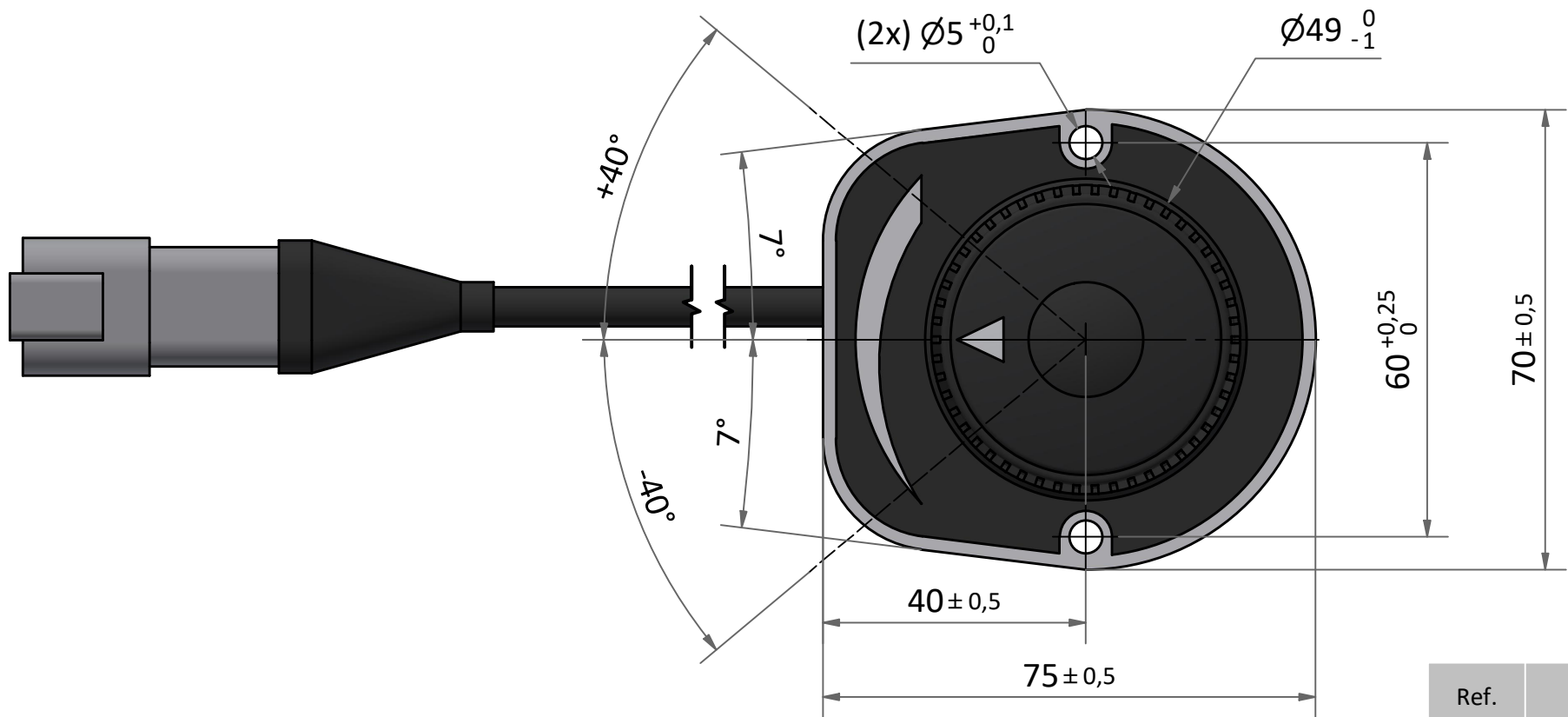
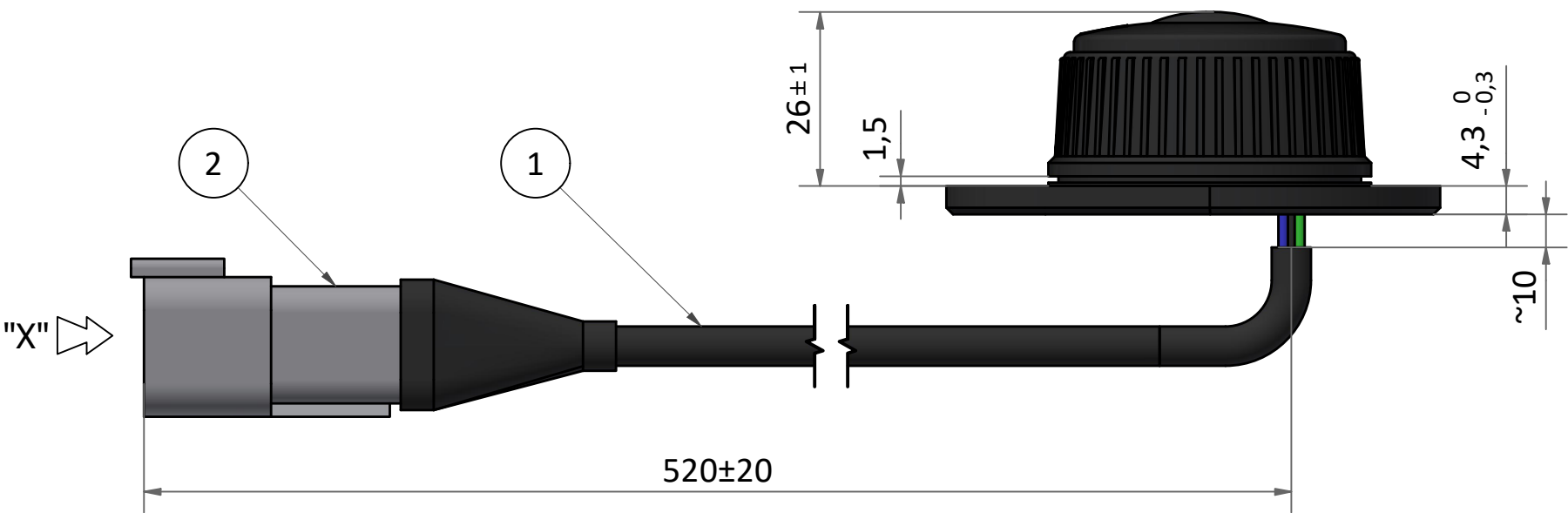
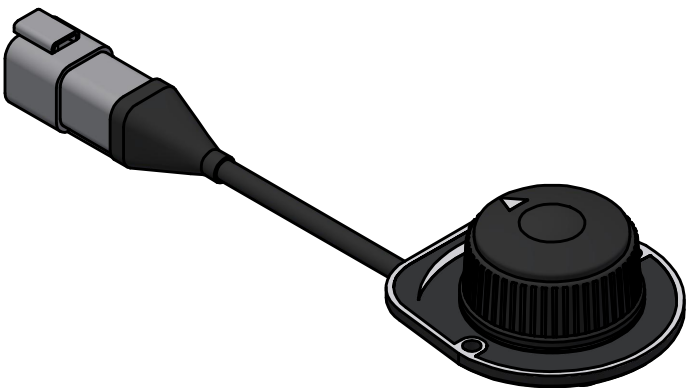
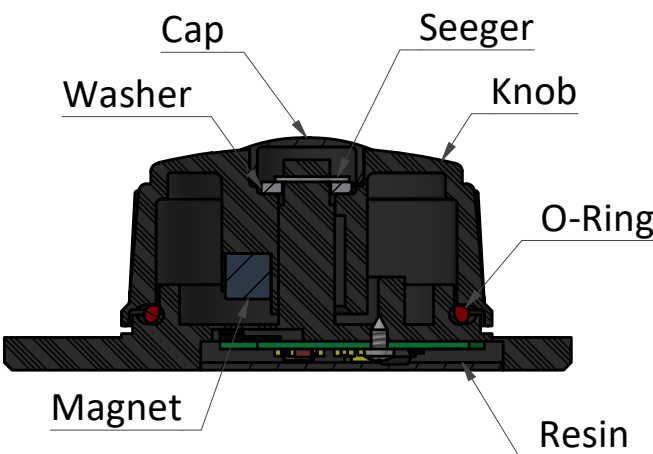
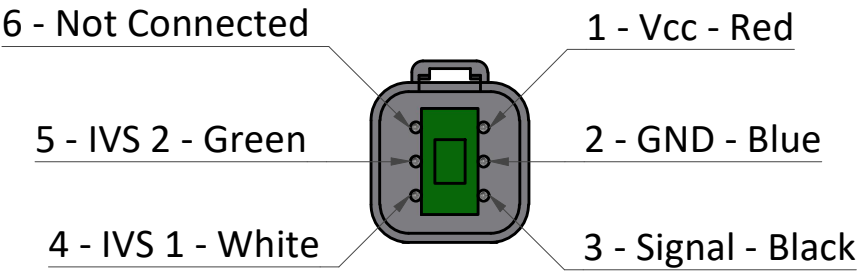


■ Accelerator Knob - Praxis Series



View from "X"



Ref.	Description	Operating temperature
1	Cable HT105°	-25 / +105
2	6 Way DT04-6P Deutsch Connector or Compatible	-55 / +125



www.elensrl.com Elen Srl - Caronno Pertusella (VA)

Part Number: AA020584-9

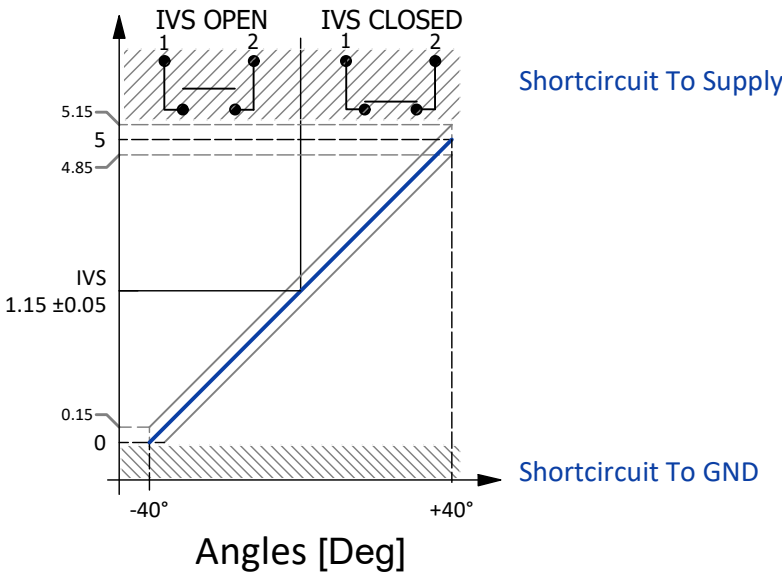
Description: Accelerator Knob ±40° 12V Single Sig. IVS NO

Rev.	Date	Sign.	Review Description

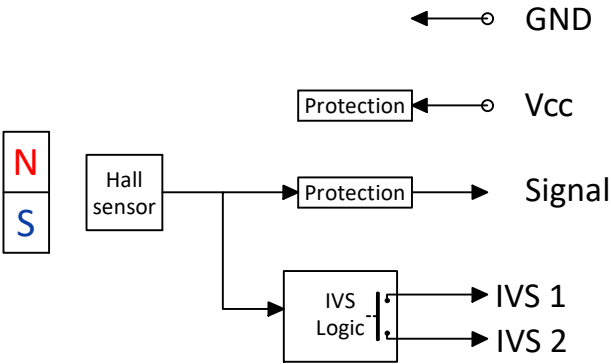
Designed	25/11/2025	Giulia M.	Scale :	1 : 1 (A3 format)
Checked	25/11/2025		Dimensions without tolerance indication: ISO 2768 - m	
Approved	25/11/2025		Units mm	Page 1 / 2

■ Output Signal

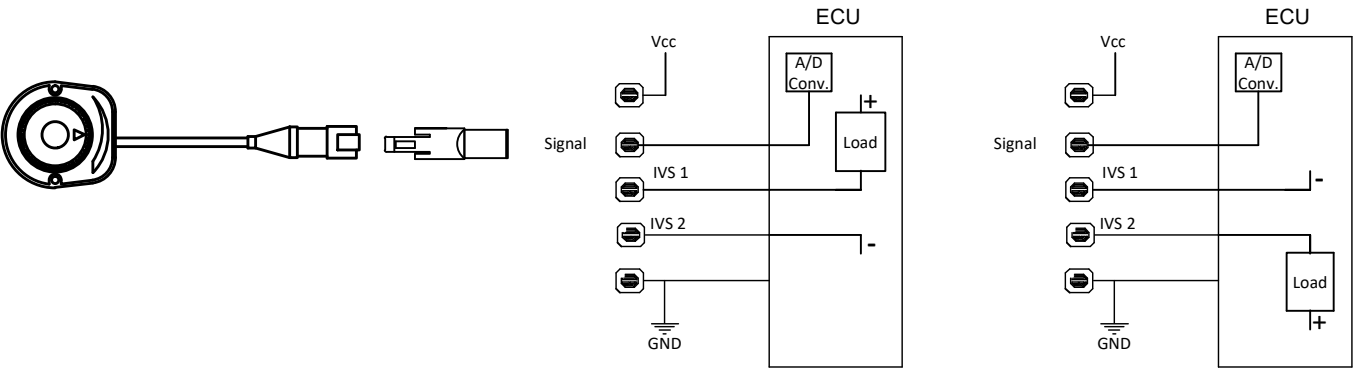
Signal (V) @Vin = 5V



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	10V Min ÷ 30V Max	PDV Rev. 3 - P. 5.1;
	Supply Current (No Load)	30 mA Max	PDV Rev. 3 - P. 5.2;
	Output Signal	Linear 0V@-40° ÷ 5V@+40°	-
	Overload Protection	24mA For 1h	PDV Rev. 3 - P. 5.6;
	Overvoltage Protection	+36V For 1h	PDV Rev. 3 - P. 5.7;
	Temperature Operating Voltage	30V @80°C	PDV Rev. 3 - P. 5.8;
	Indipendent IVS Circuit	Optoisolated, Open@Vinput<1,15V ; Closed @ 1.15V <Vinput	PDV Rev. 3 - P. 5.9;
	Reverse Polarity Protection	-30V 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;
Environmental	Operating Temperature (for Electronic Components)	-30°C ÷ +80°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Storage Temperature (for the Assembly)	-25°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=1.44g ² /Hz; f=100Hz@PSD=3.85 g ² /Hz; f=1000Hz@PSD=3.85g ² /Hz; f=2000Hz@PSD=0.96g ² /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;
Mech.	EMC Compatibility - BCI	BCI Class "A" - 100mA; (1÷400)MHz	ISO11452-4;
	Body Material	Nylon 6.6 GF	-
	Tightening Torque	7 Nm	-