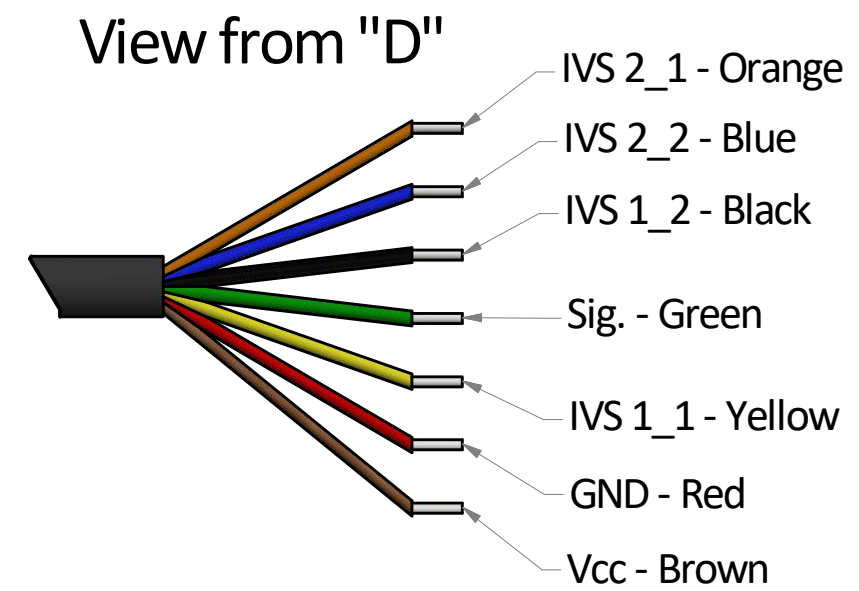
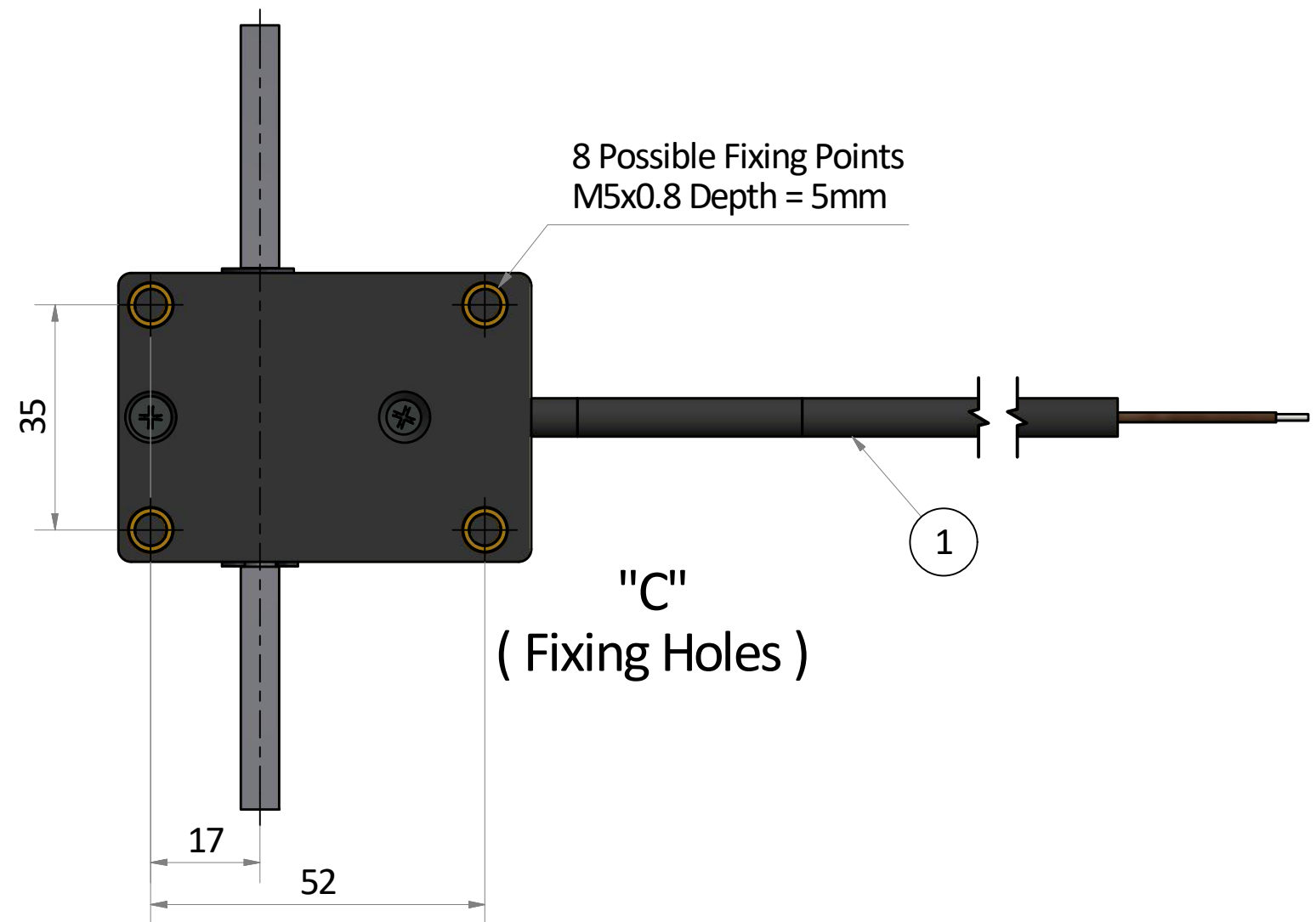
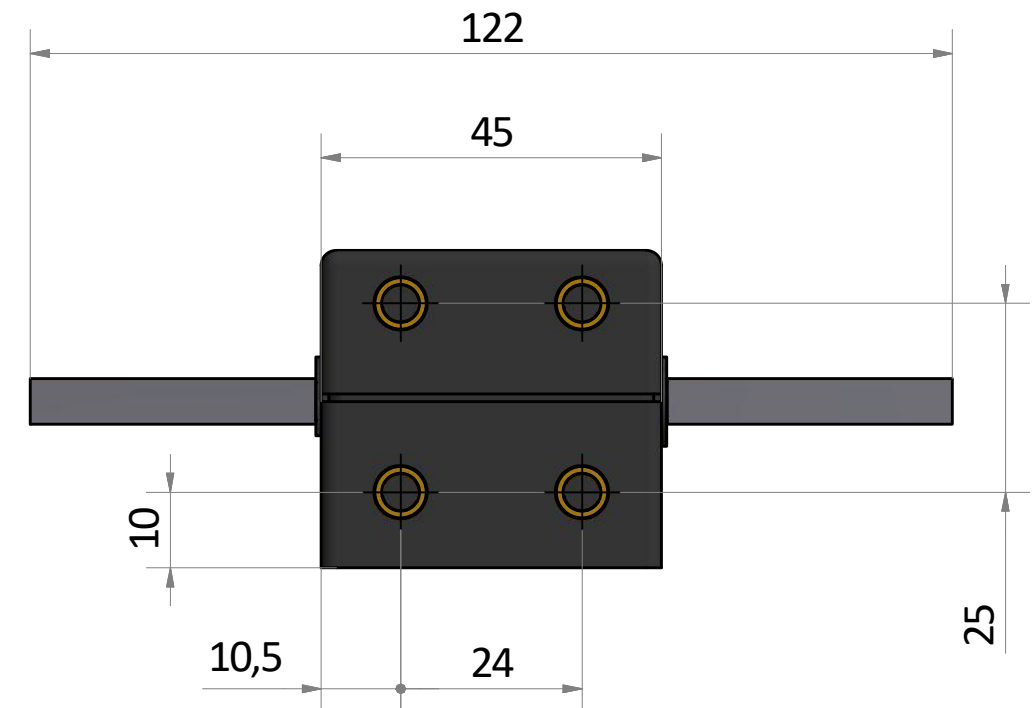
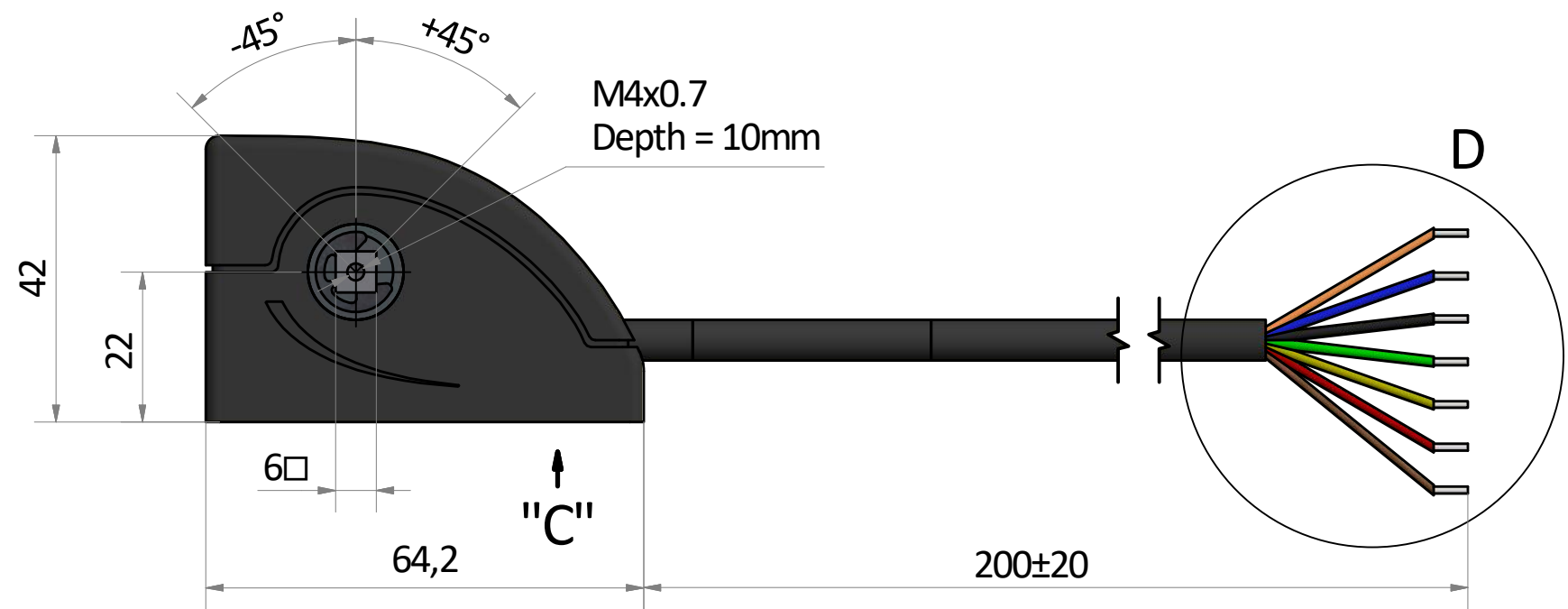


■ Accelerator Knob - Metis Series

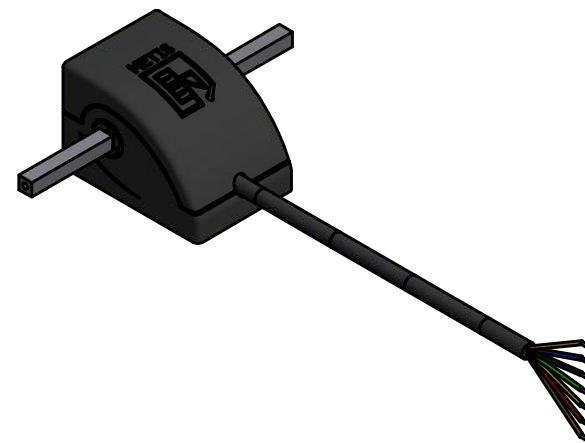
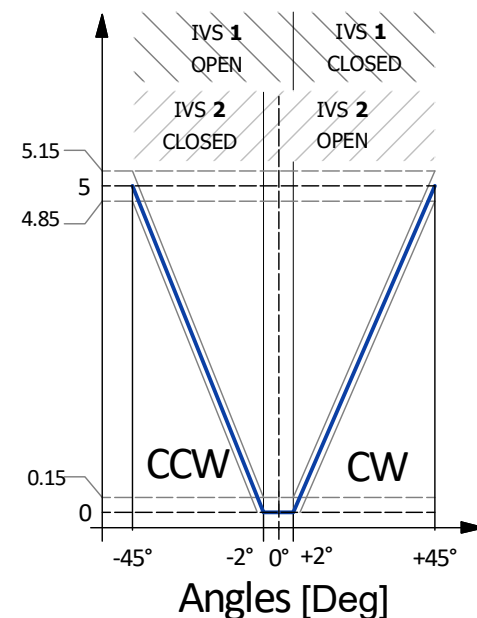


Ref.	Description	Operating temperature
1	HT 105° Cable	-30 / +105

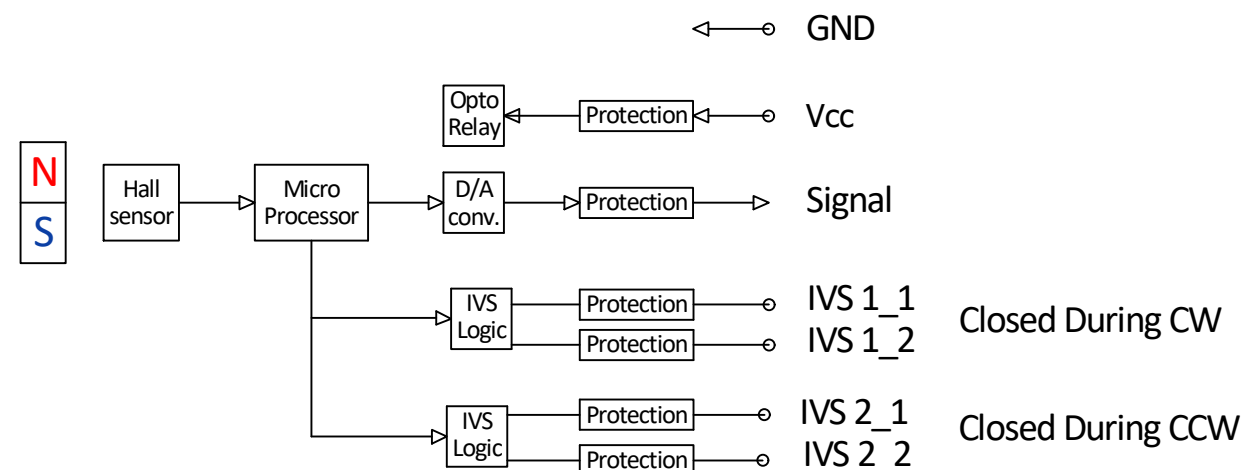
 				www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)																					
<table><thead><tr><th>Rev.</th><th>Date</th><th>Sign.</th><th>Review Description</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				Rev.	Date	Sign.	Review Description																	Part Number:		AA311115-2	
				Rev.	Date	Sign.	Review Description																				
Description:		Accelerator Knob Metis 12V 5V-0V-5V ±45°																									
Designed		10/07/2024		Giulia M.		Scale : 1 : 1 (A3 format)																					
Checked		10/07/2024				Dimensions without tolerance indication: ISO 2768 - m																					
Approved		10/07/2024				Units mm																					
						Page 1 / 2																					

■ Output Signal

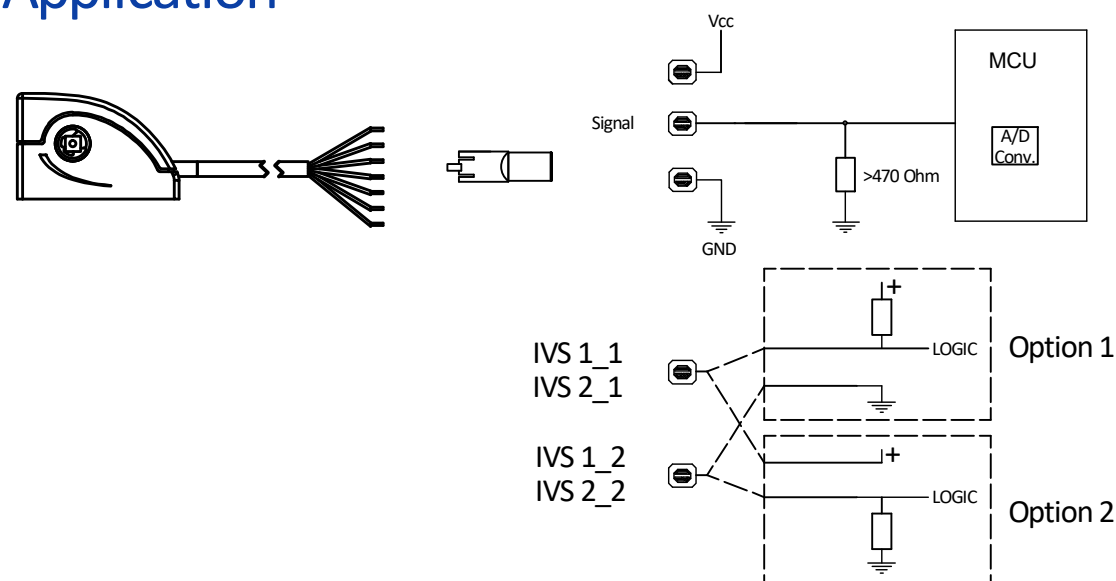
Signal (V) @Vin = 10V ÷ 30V



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	10V Min ÷ 30V Max	PDV Rev. 3 - P. 5.1;
	Output Current	10mA Max	PDV Rev. 3 - P. 5.5;
	Supply Current (No Load)	30mA Max	PDV Rev. 3 - P. 5.2;
	Overload Protection	12mA For 1h	PDV Rev. 3 - P. 5.6;
	Overvoltage Protection	36V For 1h	PDV Rev. 3 - P. 5.7;
	Temperature Operating Voltage	5.5V @ 80°C For 1h	PDV Rev. 3 - P. 5.8;
	Output Signal	Linear 5V ÷ 0V ÷ 5V ±150 mV From -45° To 0° To +45° [CW]	-
	Independent IVS 1 Circuit	Optoisolated, Open @ DEG[-45° ÷ +2°]; Closed @ DEG > +2°; 100mA Max (Peak AC/DC) @250V Max (Peak AC/DC)	PDV Rev. 3 - P. 5.9;
	Independent IVS 2 Circuit	Optoisolated, Closed @ DEG[-45° ÷ -2°]; Open @ DEG > -2°; 100mA Max (Peak AC/DC) @250V Max (Peak AC/DC)	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	Linearity	<±1%	-
	Resolution	<12 bit	-
	Operating Temperature	-30°C ÷ +80°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Storage Temperature	-40°C ÷ +110°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, 10octave/min, 20 Sweep Cycles	IEC 60068-2-6;ISO 15998;
Mech.	EMC Compatibility - Magnetic Field Immunity	15Hz ÷ 150 kHz	ISO11452-8:2015;
	EMC Compatibility - BCI	BCI Class "A" - 100mA; (1÷400)MHz	ISO11452-4;
	Body Material	Nylon 6.6 GF	-
	Cover Material	Nylon 6.6 GF	-
	Shaft Material	Stainless steel	-
	Tightening Torque	2.3 Nm	-