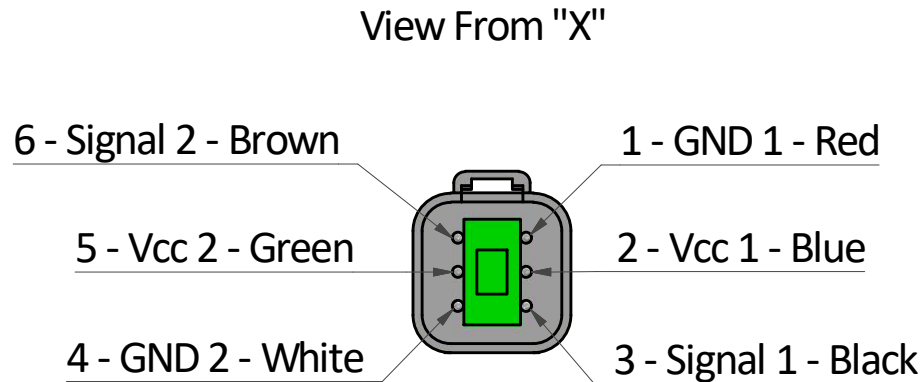
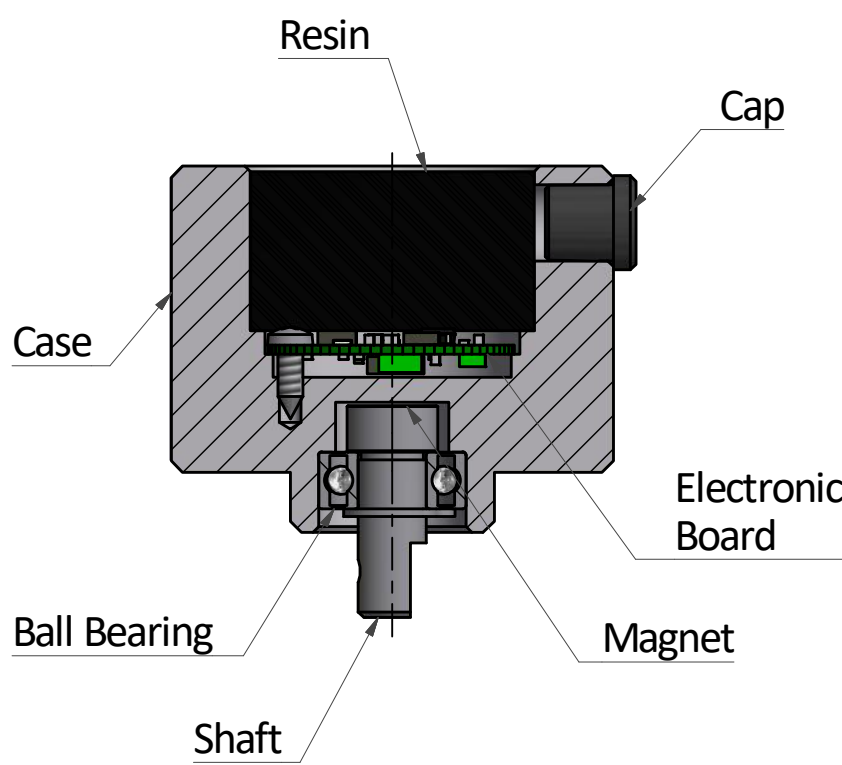
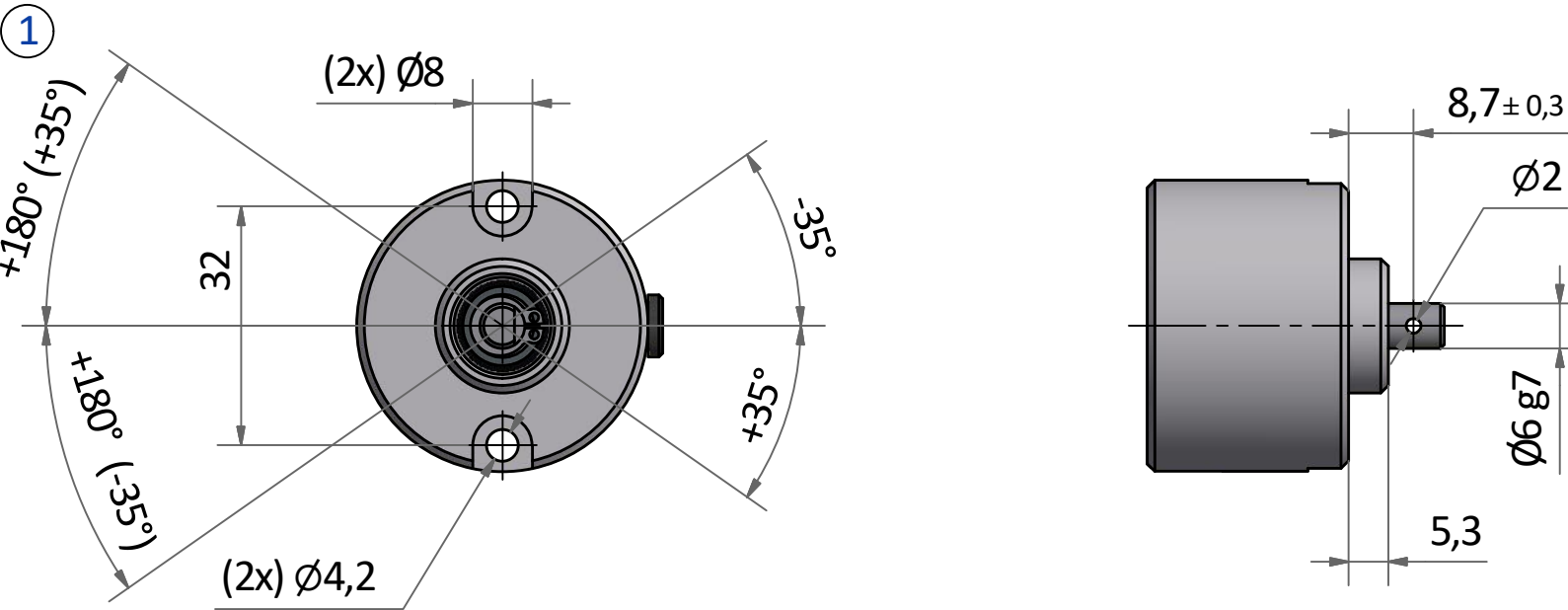
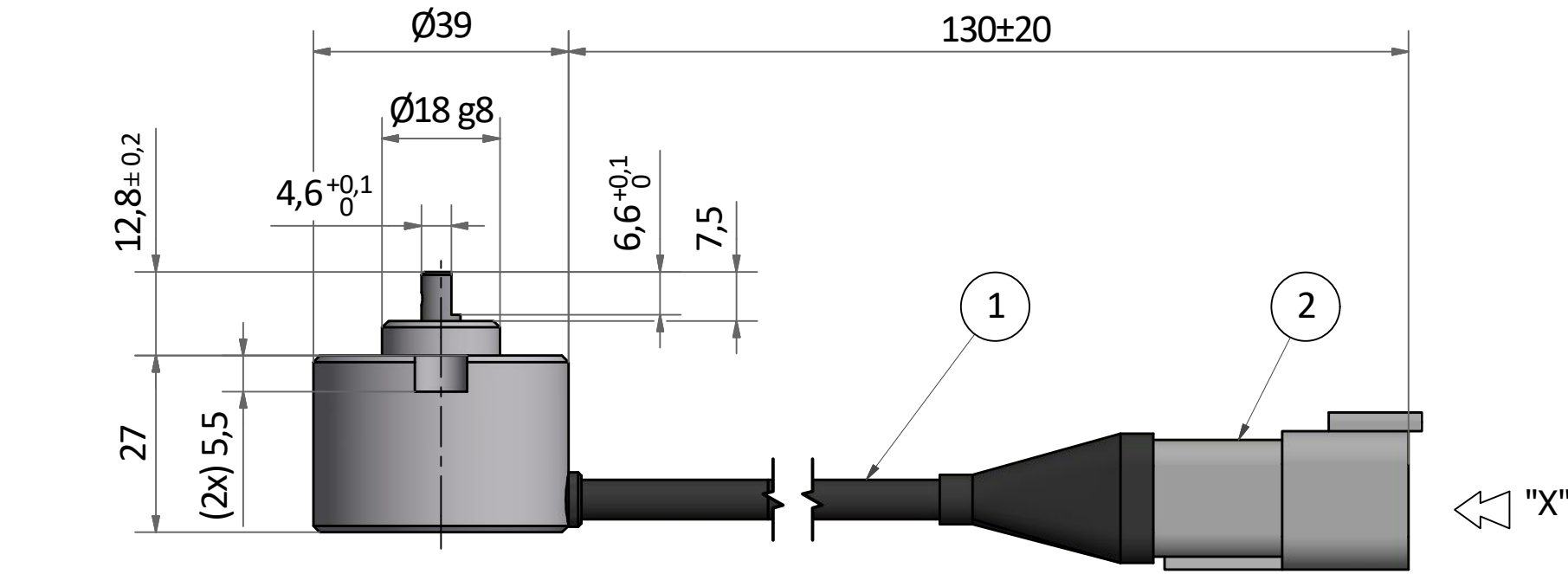


■ Angular Sensor



Ref.	Description	Operating Temperature
1	HT 105° Cable	-25 / +105
2	6 Pins Deutsch DT04-6P Connector or compatible	-55 / +125



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Part Number:

AA020570-65

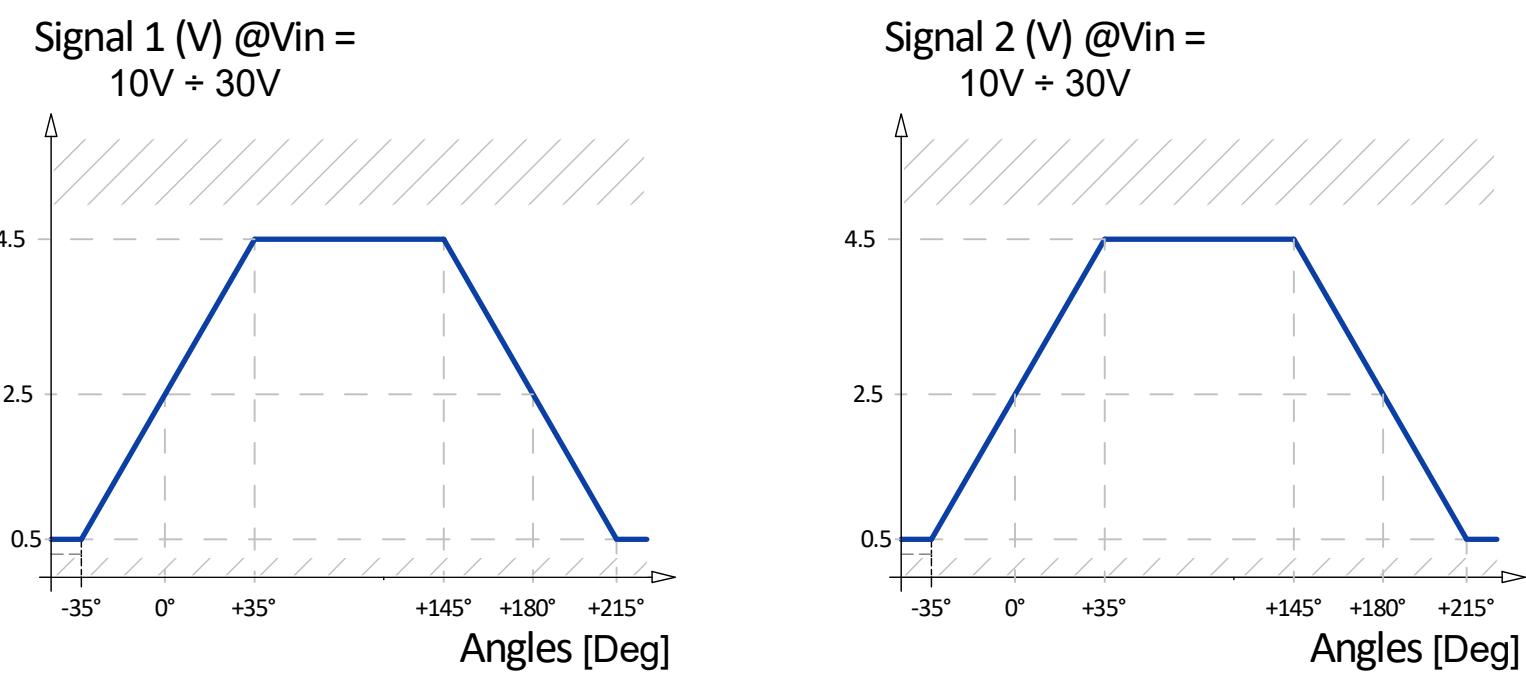
Description:

Angular Sensor 10-30V ±35°

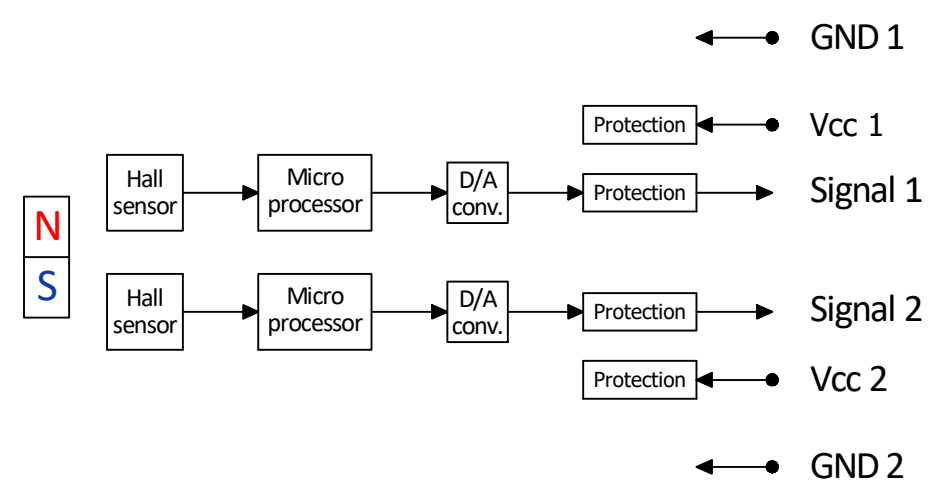
Rev.	Date	Sign.	Review Description	Designed	09/02/2016	Giulia M.	Scale :	1 : 1 (A3 format)
1	10/05/2022	G.M.	Updated Output Signal	Checked	09/02/2016		Dimensions without tolerance indication: ISO 2768 - m	
				Approved	09/02/2016			Units mm

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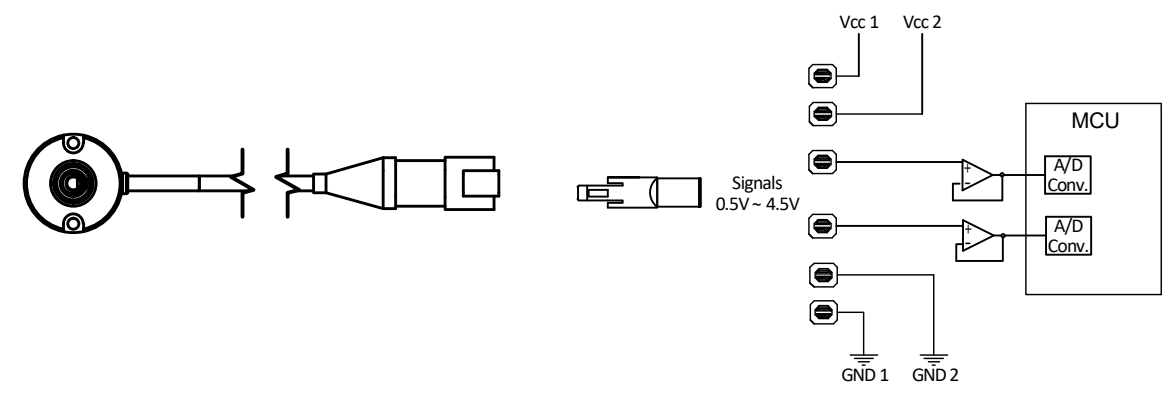
■ Output Signal ①



■ 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	1.2 mA For 1h	ELEN PDV Rev. 3 - 5.6
	Overvoltage Protection	36V For 1h	ELEN PDV Rev. 3 - 5.7
	Output Current	1mA (For Channel)	ELEN PDV Rev. 3 - 5.5
	Supply Current (No Load)	15mA Max (For Channel)	ELEN PDV Rev. 3 - 5.2
	Linear Output 1	See Pictures Beside	-
	Linear Output 2	See Pictures Beside	-
	Resolution	< 0,1°	-
	Temperature Operating Voltage	30V @ 105°C For 1h	ELEN PDV Rev. 3 - 5.8
	Linearity	< ±1%	-
	Dielectric Rigidity	750V @ 50Hz For 60s	ELEN PDV Rev. 3 - 5.11
	Insulation Resistance	1000 MΩ @ 500V	ELEN PDV Rev. 3 - 5.10
Environmental	Shortcircuit Protection	To GND For 5' ; To Supply For 5'	ELEN PDV Rev. 3 - 5.4
	Operating Temperature (for Electronic Components)	-40°C ÷ +115°C	EN 60068-2-1;EN 60068-2-2; EN 60068-2-30;EN 60068-2-14
	Storage Temperature (for the Assembly)	-25° ÷ +105°C	EN 60068-2-1;EN 60068-2-2; EN 60068-2-30;EN 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, 1Octave/min, 20 Sweep Cycles	EN 60068-2-6 ISO 15998
Mech.	Vibrations Resistance - Random	f=10Hz@PSD=1.44 g2/Hz ; f=100Hz@PSD=3.85 g2/Hz ; f=1000Hz@PSD=3.85 g2/Hz ; f=2000Hz@PSD=0.96 g2/Hz ; 3 Axis - 24h For Axis	EN 60068-2-64 ; ENS 0310 Rev.J
	Body Material	Aluminium With Antioxidant Treatment	-
	Shaft Material	Stainless Steel	-