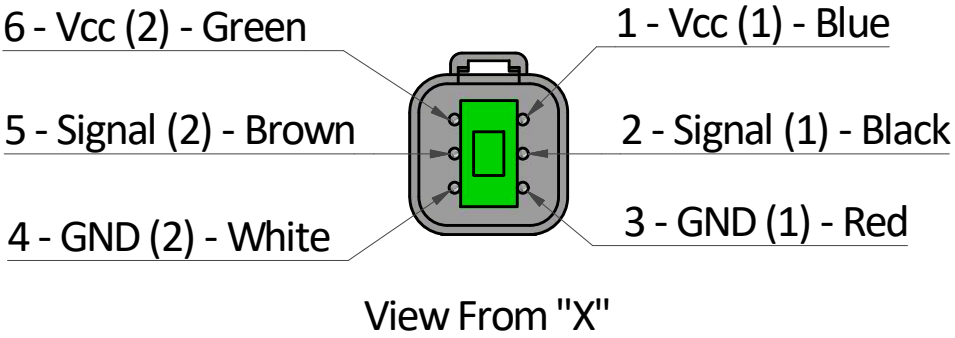
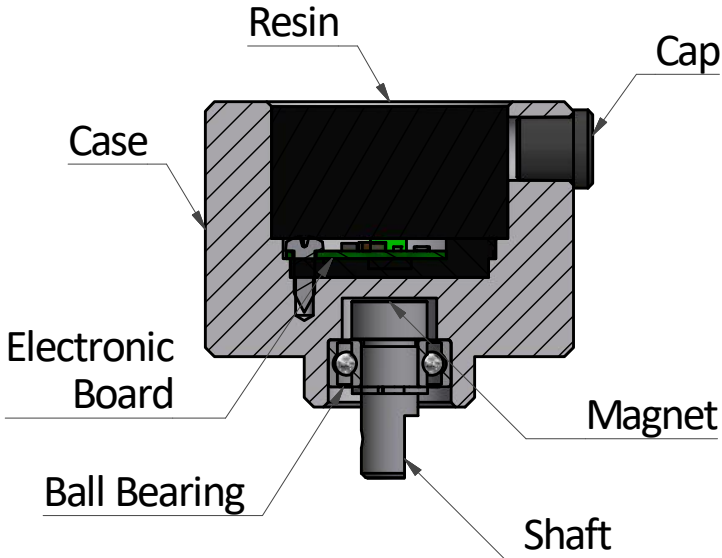
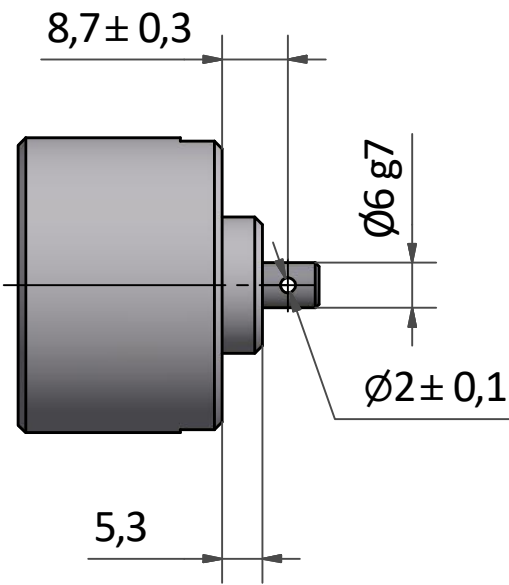
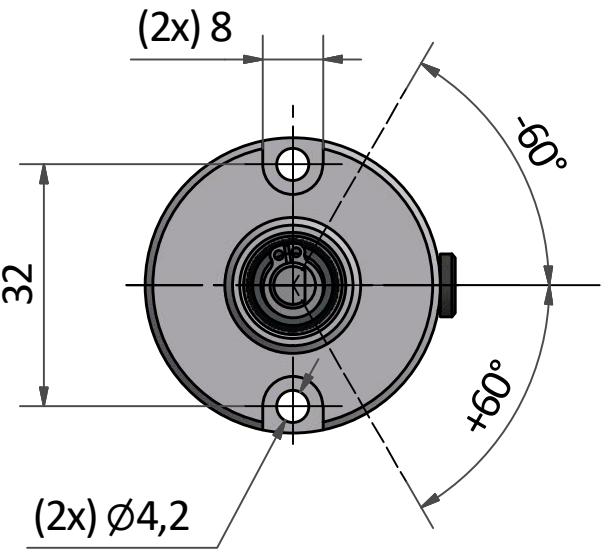
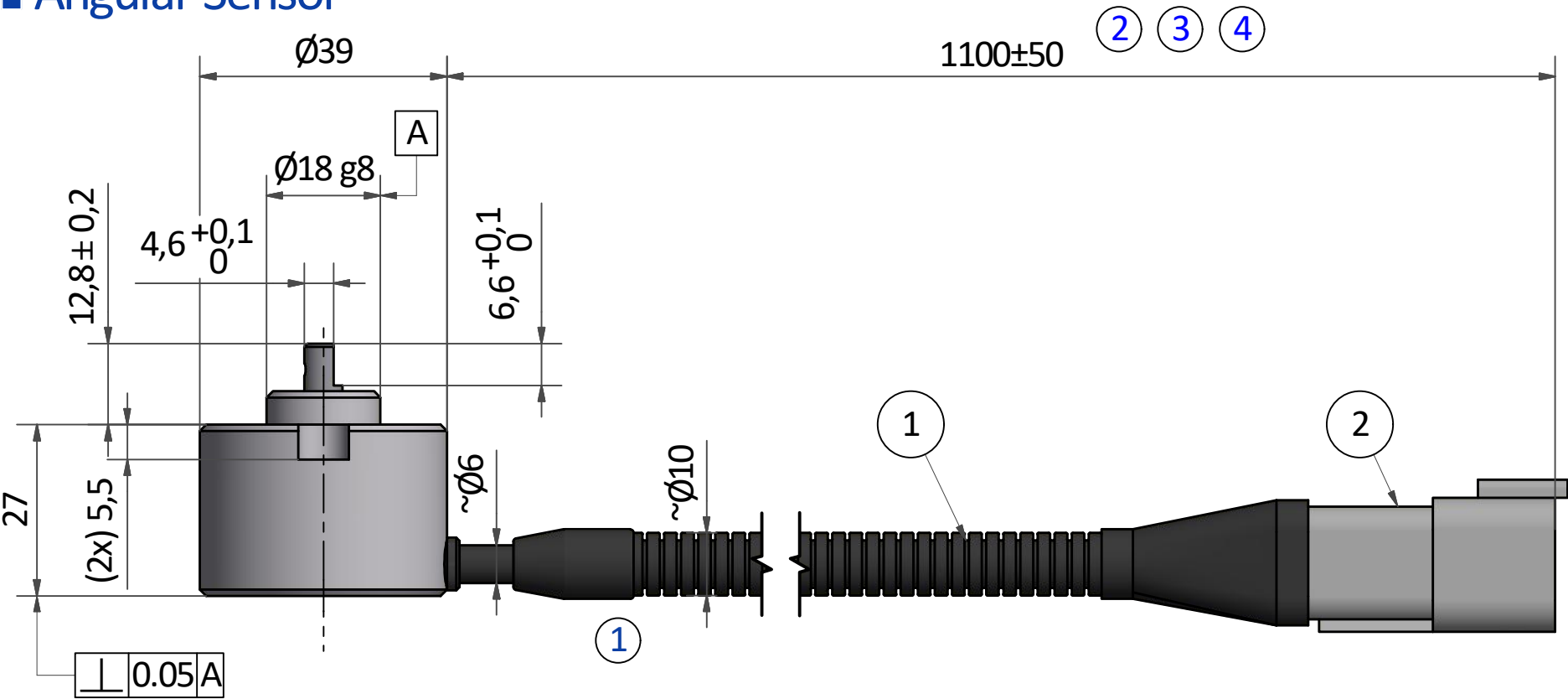
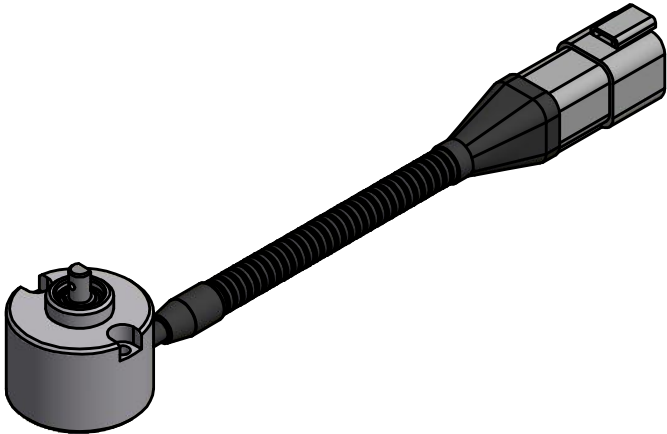


■ Angular Sensor



Ref.	Description	Operating temperature
1	Corrugated Cable HT 105°C	-30 / +105
2	6-way Deutsch Male Connector	-55 / +125





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Part Number:

AA020565-5

Description:

Angular Sensor Double Sig. ±60°

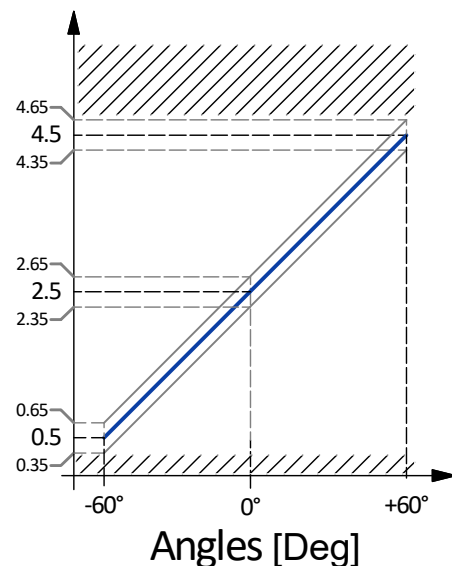
Designed	08/10/2019	Hamidreza T.	Scale :	1 : 1 (A3 format)
Checked	08/10/2019	Roberto La Capruccia	Dimensions without tolerance indication: ISO 2768 - m	
Approved	08/10/2019	Roberto La Capruccia		Units mm

Page 1 / 2

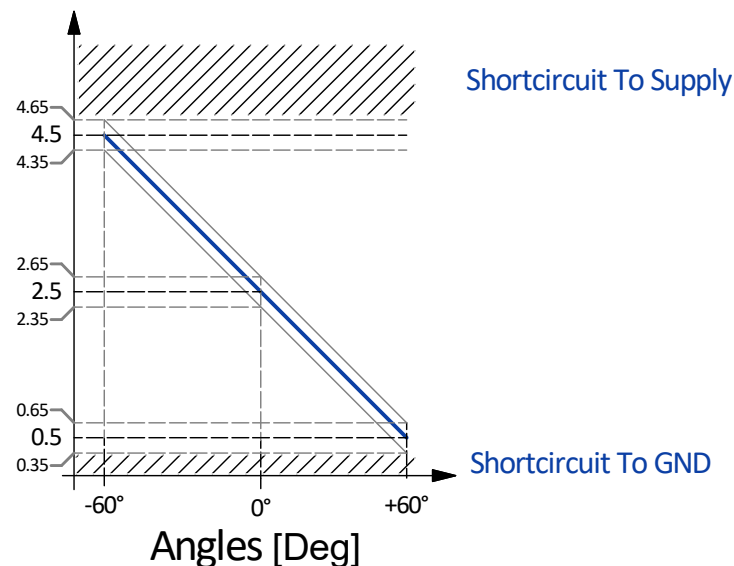
Rev.	Date	Sign.	Review Description
1	04/11/2019	G.M.	Updated Cable Type
2	29/03/2022	A.L.	Updated Cable Length
3	07/09/2022	G.M.	Updated Cable Length
4	09/09/2022	G.M.	Updated Cable Length

■ Output Signal

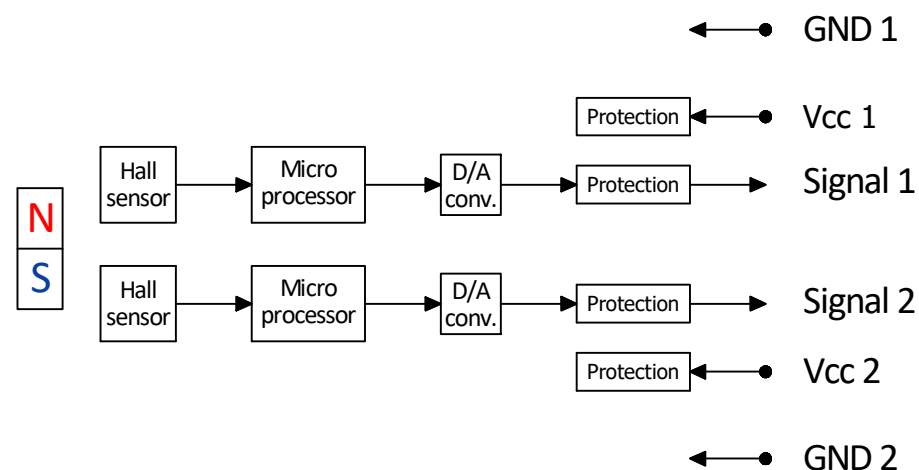
Signal 1 (V) @Vin = 10÷30V



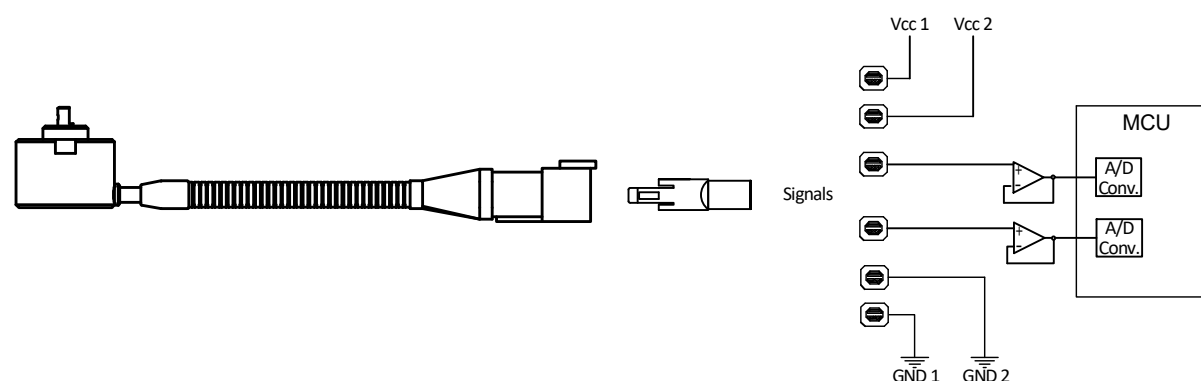
Signal 2 (V) @Vin = 10÷30V



■ 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
	Reverse Polarity Protection	-30V For 1h (-36V)	ELEN PDV Rev. 3 - 5.3
	Overload Protection	24 mA For 1h	ELEN PDV Rev. 3 - 5.6
	Overvoltage Protection	36V For 1h	ELEN PDV Rev. 3 - 5.7
	Output Current	Max 20 mA (For Channel)	ELEN PDV Rev. 3 - 5.5
	Maximum Load Recommended Output	220 Ohm (For Channel)	-
	Supply Current (No Load)	15mA Max (For Channel)	ELEN PDV Rev. 3 - 5.2
	Linear Output (1)	0,5V ~ 4,5V (2.5V @0°)	-
	Linear Output (2)	4,5V ~ 0,5V (2.5V @0°)	-
	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
Environmental	Insulation Resistance	1000 MΩ @ 500V	ELEN PDV Rev. 3 - 5.10
	Shortcircuit Protection	To GND For 5' ; To Supply For 5'	ELEN PDV Rev. 3 - 5.4
	Operating Temperature	-40°C ~ +105°C	EN 60068-2-1;EN 60068-2-2; EN 60068-2-30;EN 60068-2-14
	Storage Temperature	-40° ~ +115°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, 1 Octave/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	-