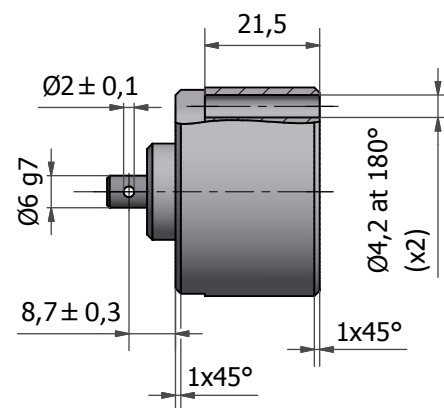
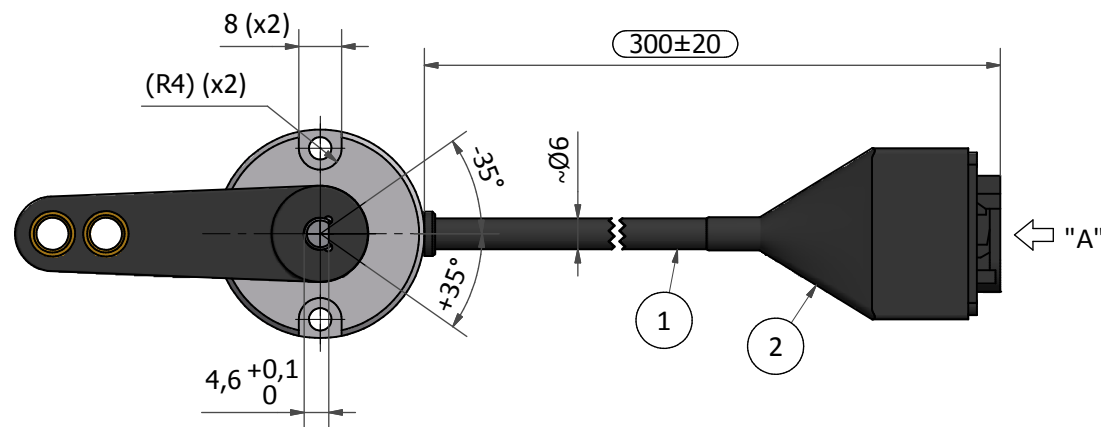
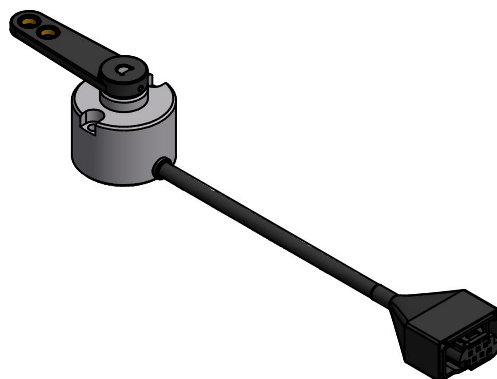
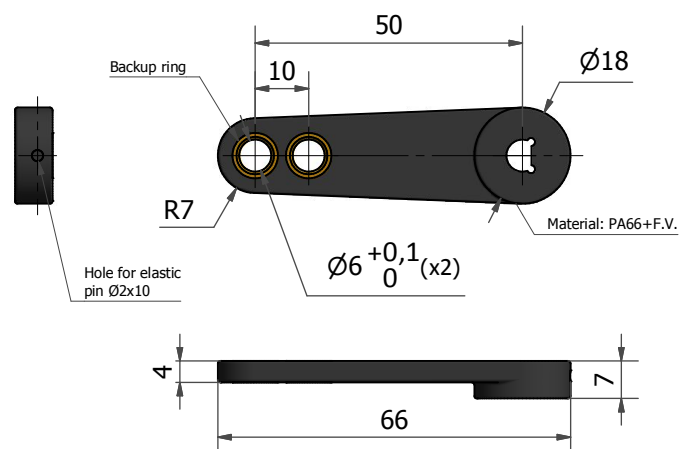
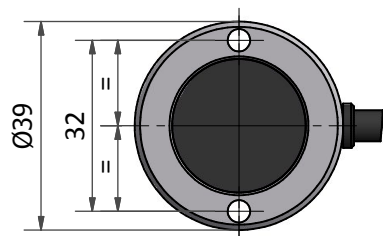
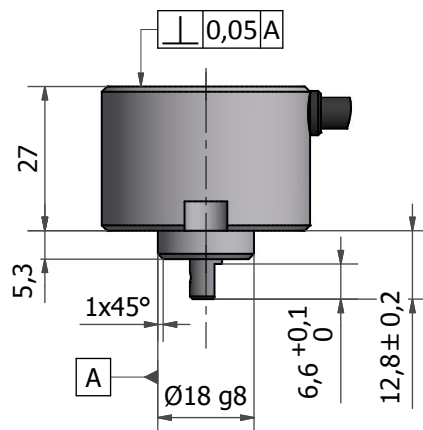
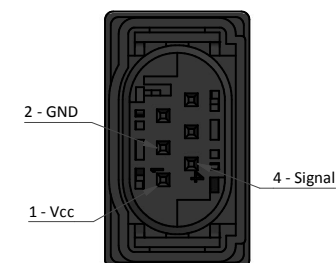


■ Angular Sensor



View "A"



Ref.	Description	Operating temperature [°C]
1	Cable HT 105°C	-25 / +105
2	6 Pin Tyco (MQS) 1-967616-1 Connector	-40 / +125

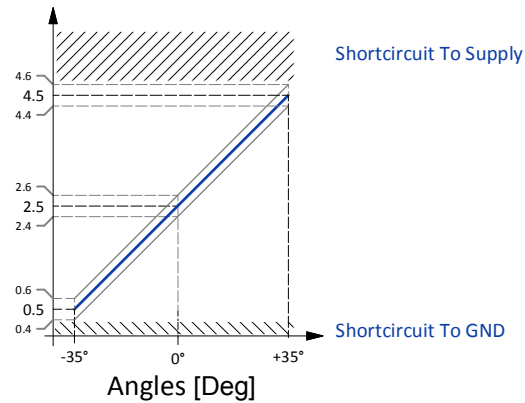


Review	Date	Signature	Last Review Description

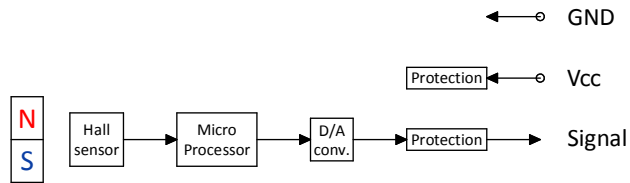
www.elensrl.com	Elen Srl - Garbagnate Milanese (MI)
Date: 19/05/2016	Product Name: Angular Sensor with lever
Scale: 1.2 : 1	±35° 5V
Design: Hamidreza Tadayonfard	Product Code: AA020575-4
Unit of Measurement: mm	Dimensions without tolerance indication: ISO 2768 - m
	Page 1/2

■ Output Signal

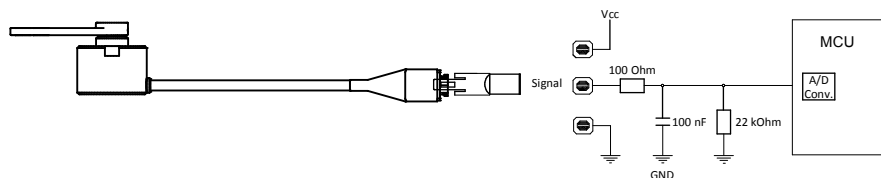
Signal (V) @Vin = 5V



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	Min 4.5V - Max 5.5V	ELEN PDV Rev. 3 - 5.1
	EMC Compatibility	BCI - Class "A" - 100 mA ; 1~400 MHz	ISO 11452-4
	Dielectric Rigidity	750 V@50 Hz For 60s	ELEN PDV Rev. 3 - 5.11
	Reverse Polarity Protection	-5.5 V For 1h	ELEN PDV Rev. 3 - 5.3
	Overload Protection	1.2 mA For 1h	ELEN PDV Rev. 3 - 5.6
	Overvoltage Protection	6.6 V For 1h	ELEN PDV Rev. 3 - 5.7
	Output Short Circuit Protection	To Ground For 5' To VDC For 5'	ELEN PDV Rev. 3 - 5.4
	Insulation Resistance	1000 MOhm@500 V	ELEN PDV Rev. 3 - 5.10
	Supply Current (No Load)	< 10mA	ELEN PDV Rev. 3 - 5.2
	Output Signal	Linear 0.5 V@-35° ; 4.5 V@+35° (2.5V @0°)	-
	Max Load Recommended Output	>5 kOhm	-
	Linearity	±1%	-
	Output Current	1 mA Max	ELEN PDV Rev. 3 - 5.5
	Temperature Operating Voltage	(-40°C ÷ +105°C)	ELEN PDV Rev. 3 - 5.8
Environmental	ESD Protection	±8 kV Contact ; ±15 kV Air	EN 61000-4-2
	Operating Temperature	-40°C ÷ +105°C	IEC 60068-2-14 ; IEC 60068-2-1; IEC 60068-2-2 ; IEC 60068-2-30
	Storage Temperature	-40°C ÷ +115°C	IEC 60068-2-14 ; IEC 60068-2-1; IEC 60068-2-2 ; IEC 60068-2-30
	Degree Of Protection	IP 67	ELEN PDV Rev. 3 - 4.1
	Vibrations Resistance - Sine	(5÷12.87) Hz@dis<±15mm , (12.87÷200) Hz@dis±15mm@5g , 1 Octave/min , 20 Sweep Cycles	IEC 60068-2-6 ISO 15998
	Vibration Resistance - Random	f=10 Hz@PSD=1.44 g ² /Hz ; f=100 Hz@PSD=3.85 g ² /Hz ; f=1000 Hz@PSD=3.85 g ² /Hz ; f=2000 Hz@PSD=0.96 g ² /Hz ; 3 Axis , 24 h For Axis	IEC 60068-2-14
	EMC Compatibility - Magnetic Field Imm.	15 Hz ÷ 150 KHz	ISO 11452-8
Mech.	Body Material	Aluminium With Antioxidant Treatment	-
	Shaft Material	Stainless Steel	-