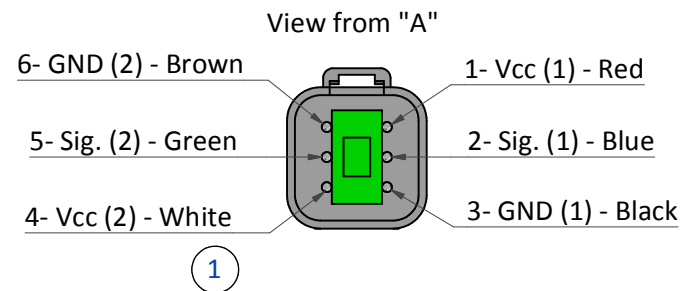
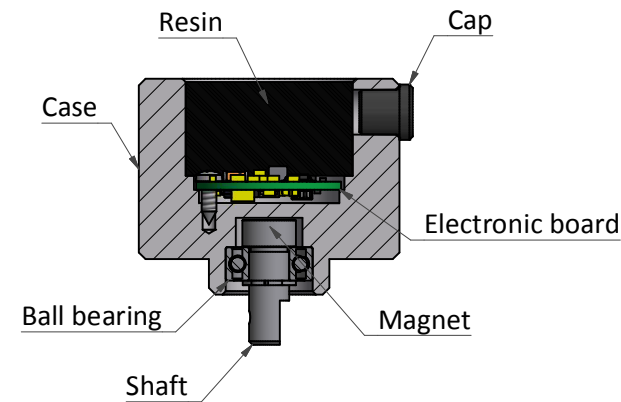
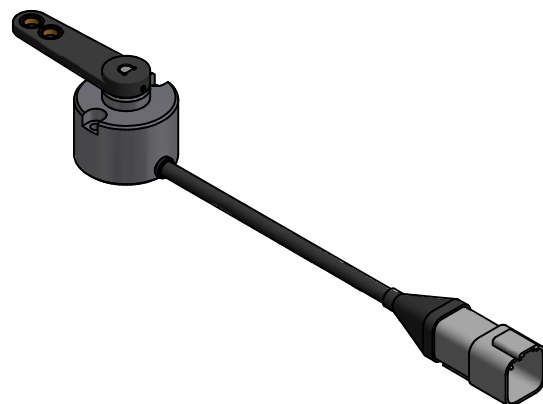
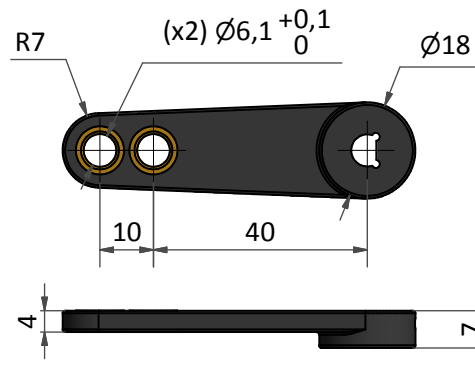
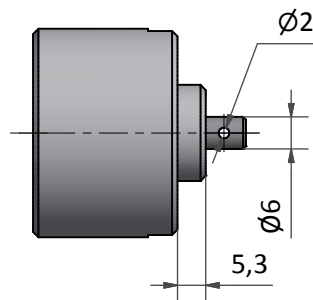
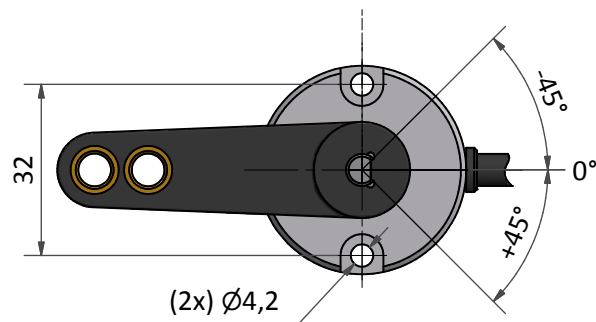
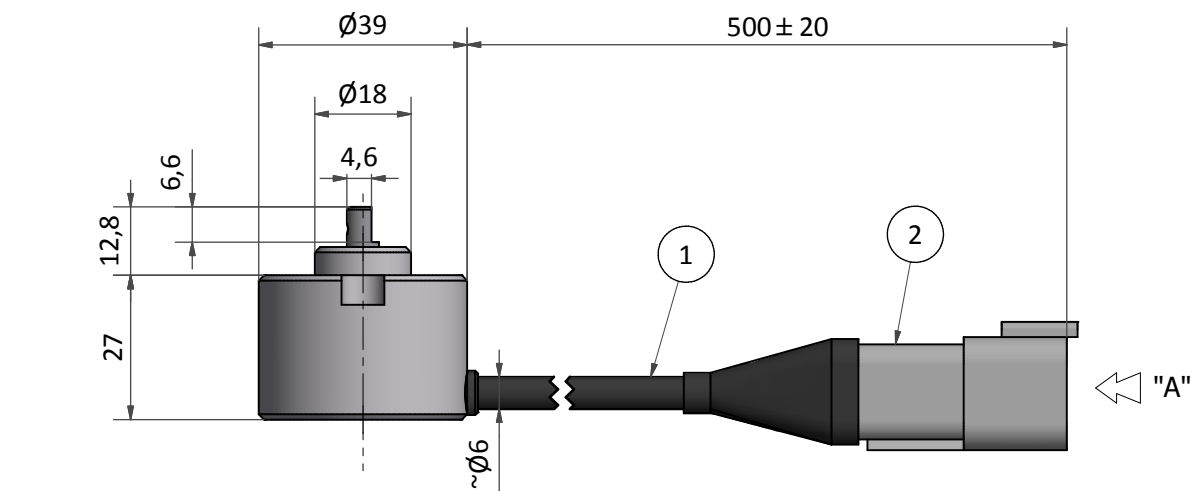


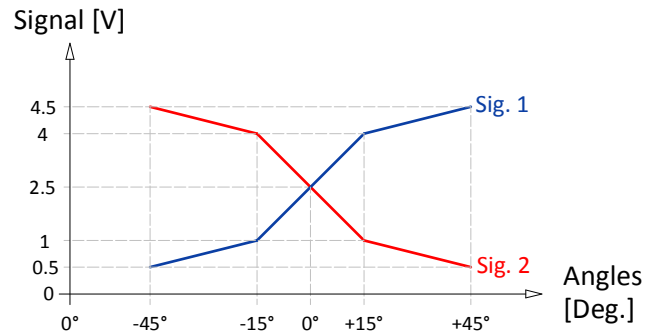
■ Angular Sensor



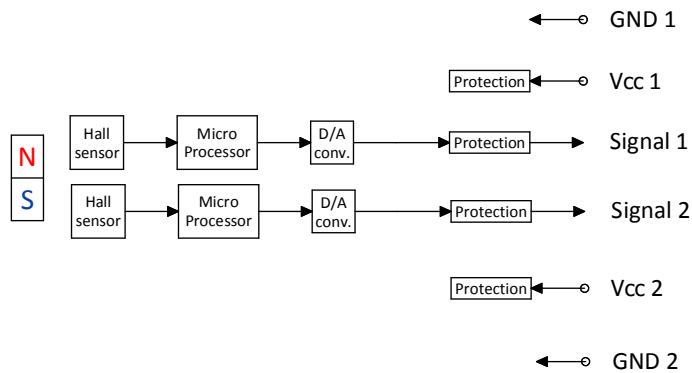
Ref.	Description	Operating temperature
1	Cable HT 105°C	-25 / +105
2	6-way Deutsch Connector	-40 / +125

 ELEN industrial vehicles sensors				www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)			
				Part Number:		AA020565			
				Description:		Angular sensor			
Rev.	Date	Sign.	Review Description						
1	20/05/2021	A.DES	Changed pin colors						

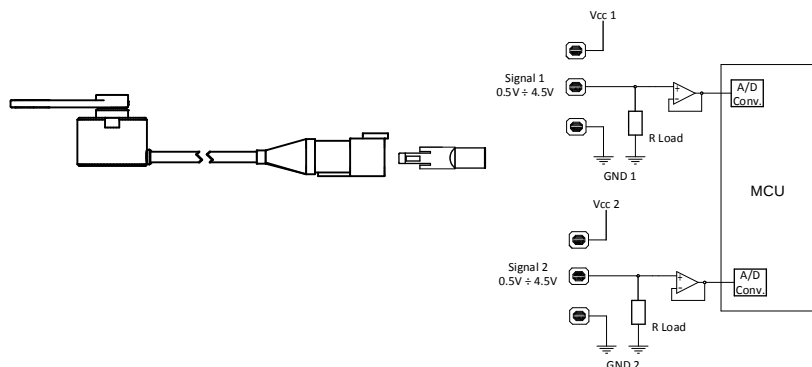
■ Output Signal



■ 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
	Resolution	< 0.1°	-
	Reverse Polarity Protection	-30 V For 1h	ELEN PDV Rev. 3 - 5.3
	Overload Protection	24 mA For 1h	ELEN PDV Rev. 3 - 5.6
	Overvoltage Protection	36 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
	Output Current	20 mA Max	ELEN PDV Rev. 3 - 5.5
	Max Load Recommended Output	220 Ohm	-
	Supply Current (No Load)	30 mA Max	-
	Signal Output	0.5V ÷ 4.5V	-
	Dielectric Rigidity	750V@50Hz For 60s	ELEN PDV Rev. 3 - 5.11
	ESD Protection	±8kV Contact , ±15 kV Air	EN 61000-4-2
	Insulation Resistance	1000 MOhm@500V	ELEN PDV Rev. 3 - 5.10
	Temperature Operating Voltage	30V@105°C For 1h	ELEN PDV Rev. 3 - 5.7
Environmental	Linearity	< ±1 %	-
	Operating Temperature	-40°C ÷ +105°C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC60068-2-14
	Storage Temperature	-40°C ÷ +115°C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC60068-2-14
	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
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 60068-2-6
	Body Material	Aluminium With Antioxidant Treatment	-
	Shaft Material	Stainless Steel	-
	Lever Material	PA66 + 30%GF	-