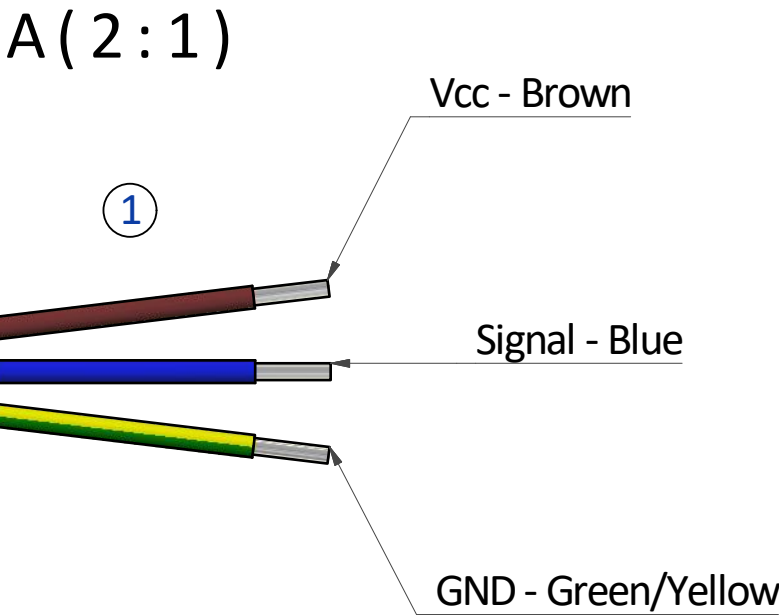
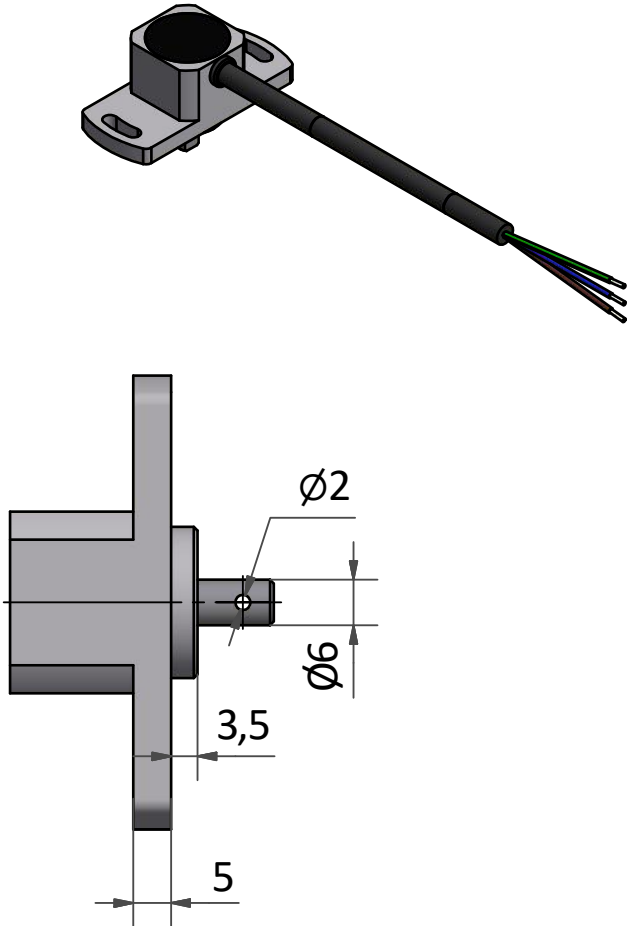
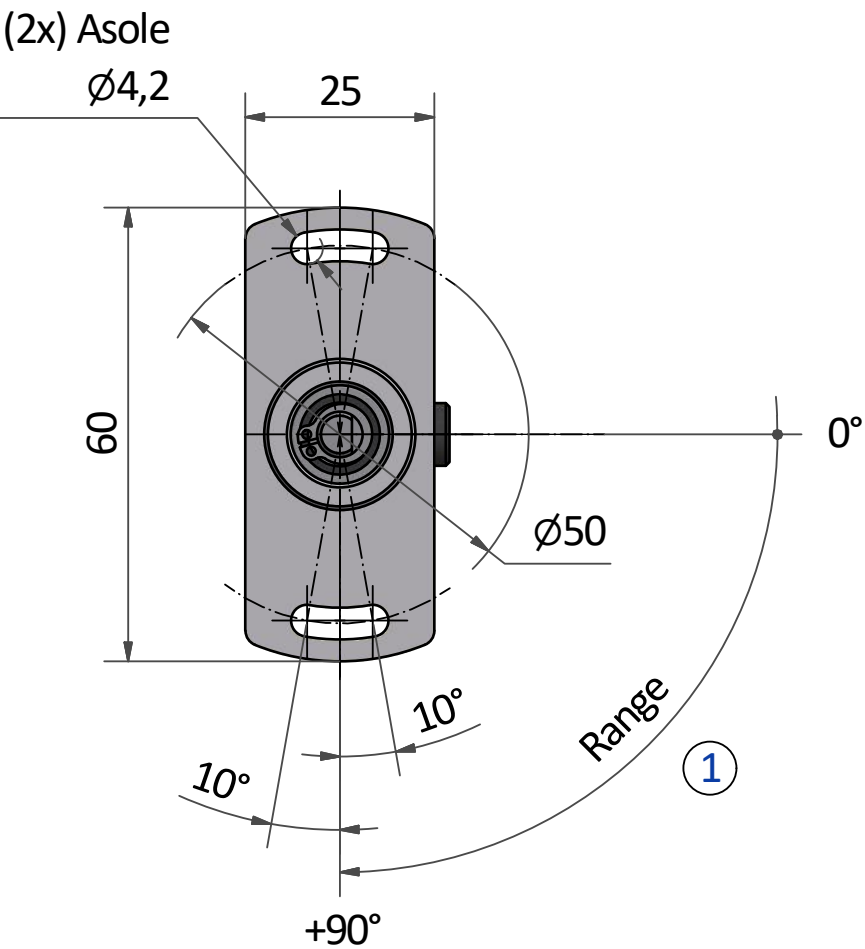
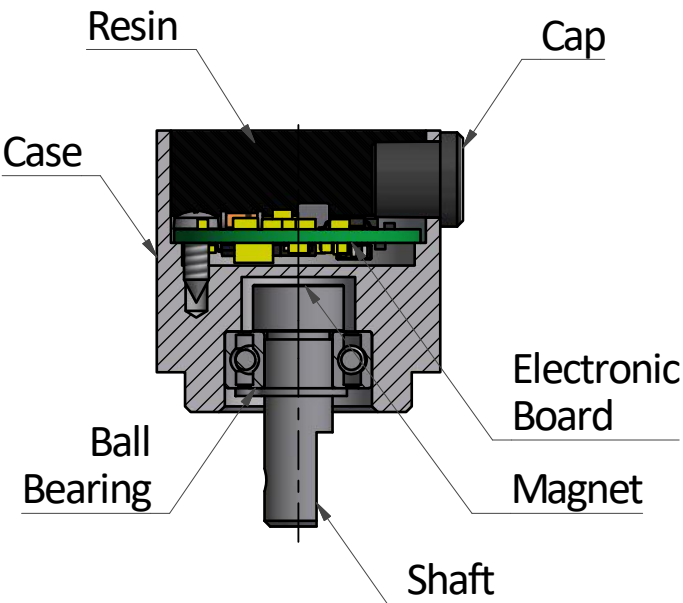
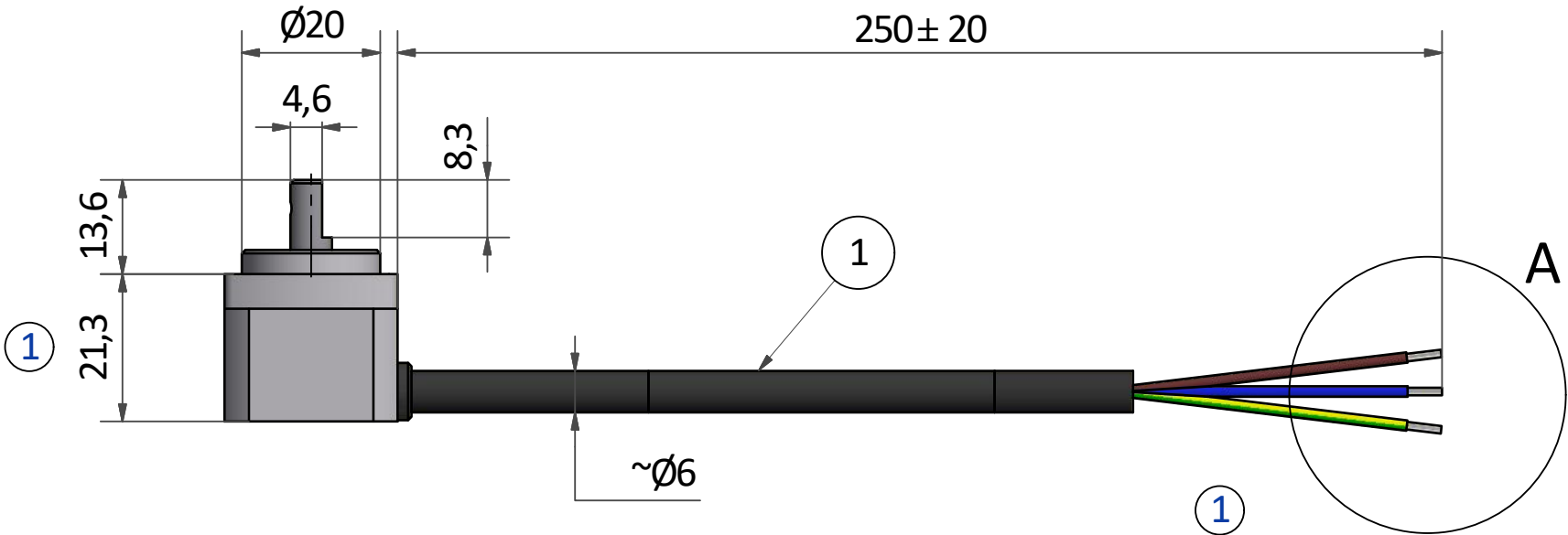


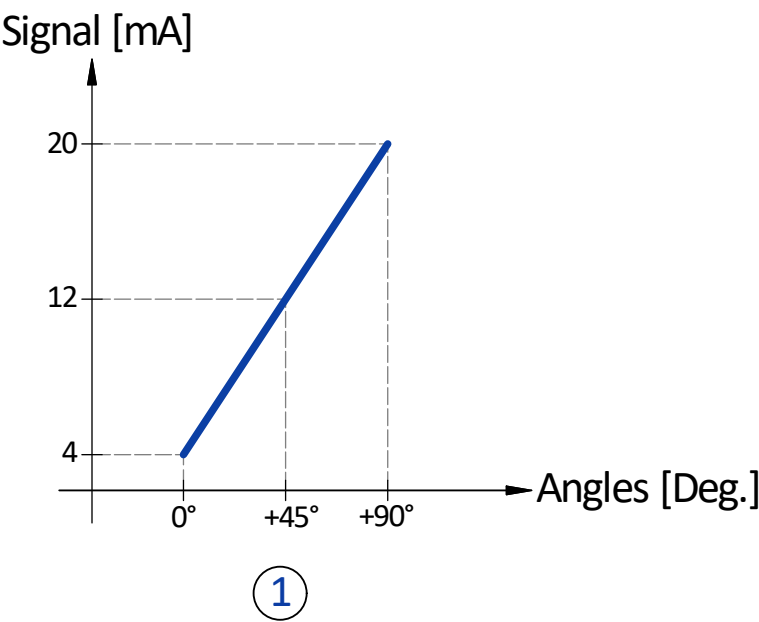
■ Angular Sensor



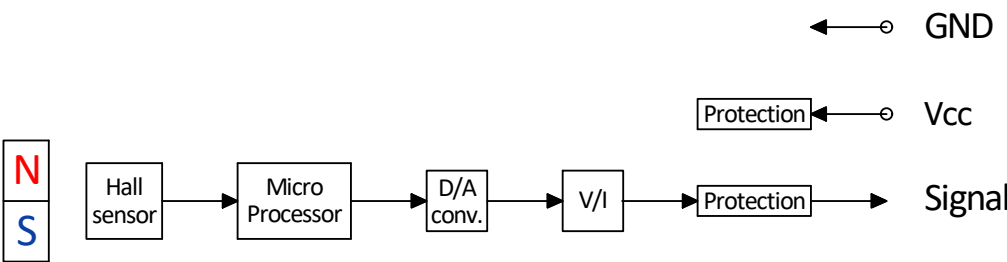
Ref.	Description	Operating temperature
1	Cable HT 105°C	-25 / +105

 ELEN industrial vehicles sensors			www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)	
Review 1 Date 16/01/2025 Signature M.M. Last Review Description: Changed Cable and Range			Date:		19/05/2016	
			Scale:		1 : 1	
			Design:		Mirko L.	
			Unit of Measurement:		mm	
			Product Name:		Angular Sensor ±60° 10-30V Out 4-20 mA	
			Product Code:		AA020502-16	
			Dimensions without tolerance indication:		Page 1/2	
			ISO 2768 - m			

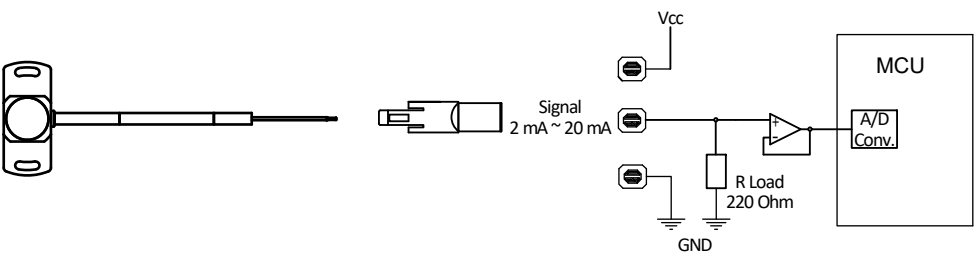
■ Output Signal



■ 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
	Electrostatic Discharge Protection	±8kV Contact ; ±15kV Air Discharge	EN 61000-4-2
	Reverse Polarity Protection	-30V For 1h	ELEN PDV Rev. 3 - 5.3
	Overvoltage Protection	36V For 5'	ELEN PDV Rev. 3 - 5.7
	Output Short Circuit Protection	To Ground For 1h To VDC For 1h	ELEN PDV Rev. 3 - 5.4
	Max Load Resistance	250 Ohm @ 10V 1250 Ohm @ 30V	-
	Current Sink (No Load)	< 40mA	-
	Linear Output	4mA ÷ 20mA (±0.05 mA)	-
	Resolution	< 0,1°	-
Environmental	Linear Error	< ±1%	-
	Operating Temperature	-40°C ÷ +105°C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC 60068-2-14
	Storage Temperature	-40°C ÷ +115°C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC 60068-2-14
	Degree Of Protection	IP 67	IEC 60529
Mech.	Vibrations Resistance	Sine Frequency: 5 To 200 Hz (Max 5g) Sweep Cycles' Rate: 20 (1 Octave/Min)	EN 60068-2-6
	Body Material	Aluminium With Antioxidant Treatment	-
	Shaft Material	Stainless Steel	-