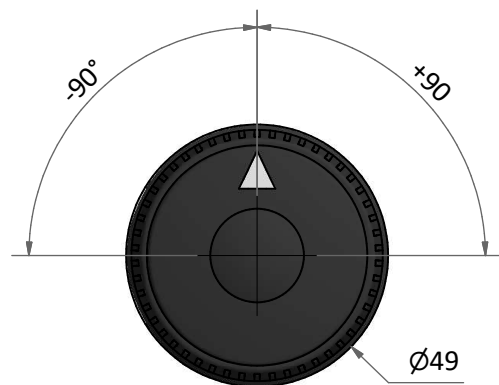
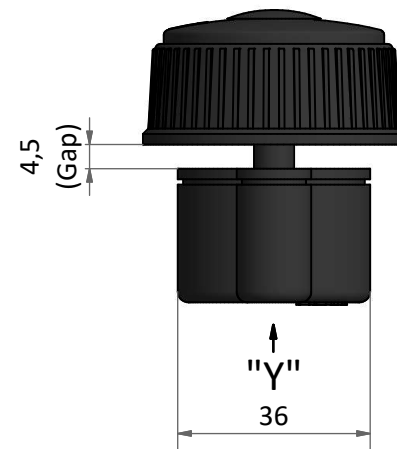
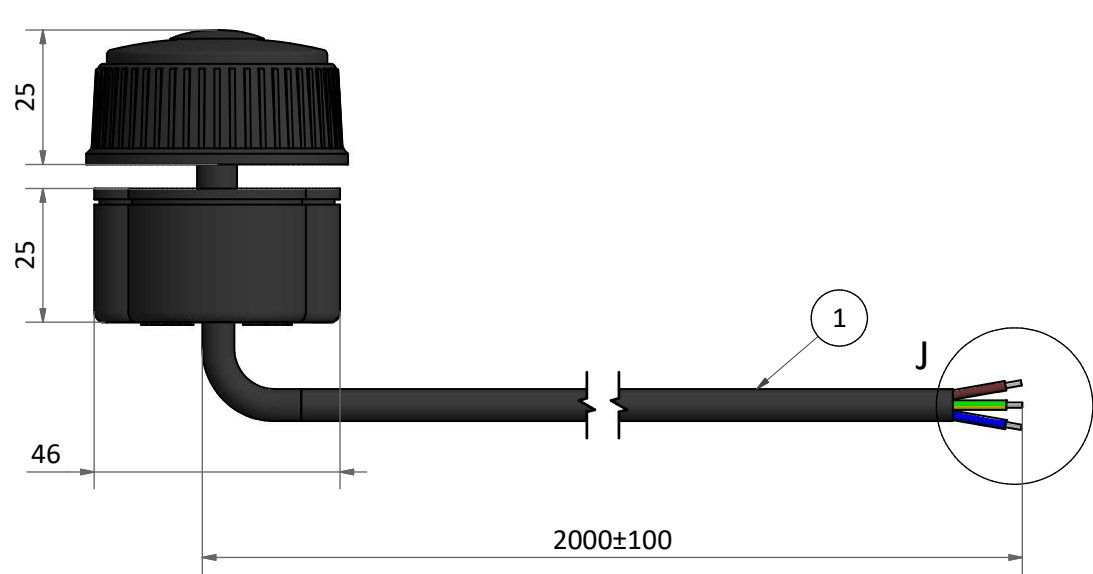
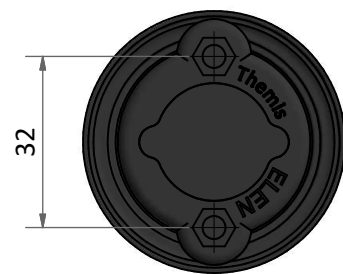


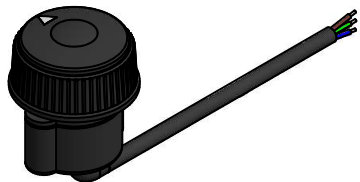
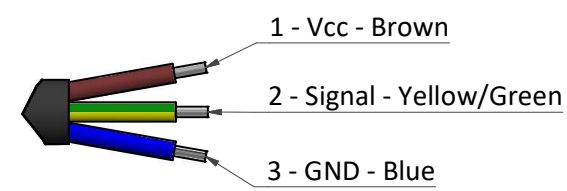
■ Hall Effect Accelerator Knob



View from "Y"



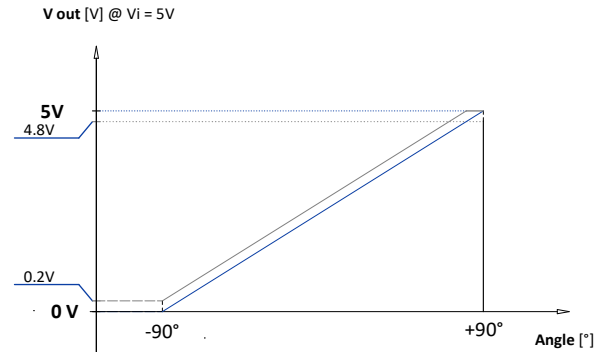
J (2 : 1)



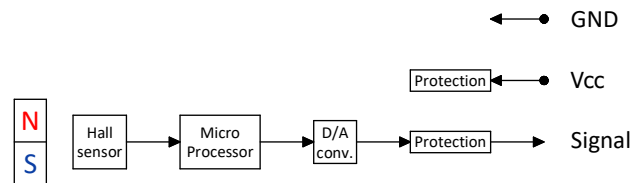
Ref.	Description	Operating temperature
1	Cable HT 105°C	-25 / +105

 ELEN industrial vehicles sensors				www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)	
				Part Number:		AA313041	
				Description:		Themis electronic knob 5V ±45°	
Rev.	Date	Sign.	Review Description	Designed	11/11/2020	Giulia M.	Scale : 1 : 2 (A3 format)
				Checked	11/11/2020	Mauro Canavesi	Dimensions without tolerance indication: ISO 2768 - m
				Approved	11/11/2020	Mauro Canavesi	
						Units mm	Page 1 / 2

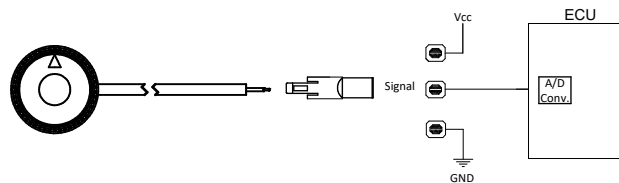
■ Output Signal



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply	5V $\pm 10\%$	ELEN PDV Rev.3 - 5.1
	Output Signal	0V[+0.2]÷5V [-0.2V]	-
	Output Current	1.3mA Max	ELEN PDV Rev.3 - 5.5
	Supply Current (No Load)	10 mA Max	ELEN PDV Rev.3 - 5.2
	Reverse Polarity Protection	-5.5V For 1h	ELEN PDV Rev.3 - 5.3
	EMC Compatibility	BCI Class "A" - 100mA in range [1, 400]MHz	ISO 11452-4
	ESD Protection	$\pm 8\text{kV}$ Contact; $\pm 15\text{kV}$ Air	EN 61000-4-2
	Overload Protection	1.56mA For 1h	ELEN PDV Rev.3 - 5.6
	Overvoltage Protection	+6.5V For 1h	ELEN PDV Rev.3 - 5.7
	Output Shortcircuit Protection	To Ground For 5'; To Supply For 5'	ELEN PDV Rev.3 - 5.4
	Temperature Operating Voltage	5.5V @ 80°C for 1h	ELEN PDV Rev.3 - 5.8
	Insulation Resistance	1000M Ω @ 500V	ELEN PDV Rev.3 - 5.10
	Dielectric Rigidity	750V @ 50Hz for 60s	ELEN PDV Rev.3 - 5.11
Environmental	Operating Temperature	-40 ÷ +80 °C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC60068-2-14
	Storage Temperature	-40 ÷ +80 °C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC60068-2-14
	Vibrations Resistance - Sine	(5÷12.87) Hz@dis $\pm 15\text{mm}$,(12,87÷200) Hz@dis $\leq \pm 15\text{mm}$ @5g, 1 Octave/min , 20 Sweep Cycles	IEC 60068-2-6
	Vibrations Resistance - Random	f=10Hz@PSD=1.44 g ² /Hz ; f=100Hz@PSD=3.85 g ² /Hz ; f=1000Hz@PSD=3.85 g ² /Hz ; f=2000Hz@PSD=0.96 g ² /Hz ; 3 Axis - 24h For Axis	ENS0310 Rev J; IEC 60068-2-64
Mech.	Degree Of Protection	IP 67	IEC 60529
	Body Material	Nylon 6.6 GF	-