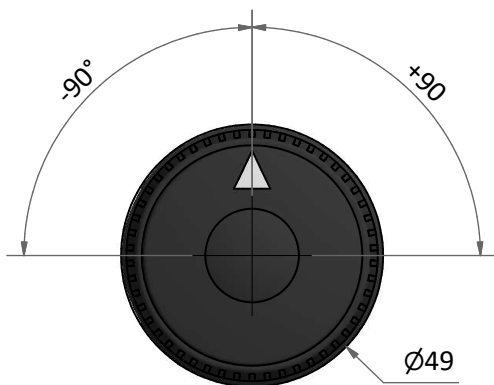
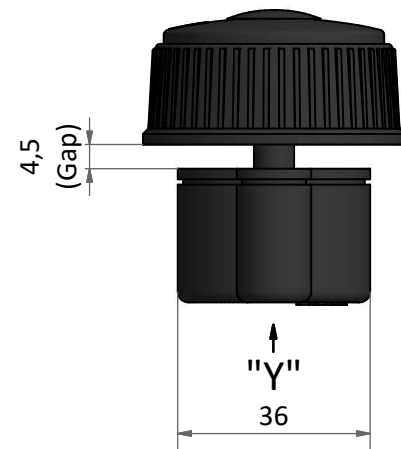
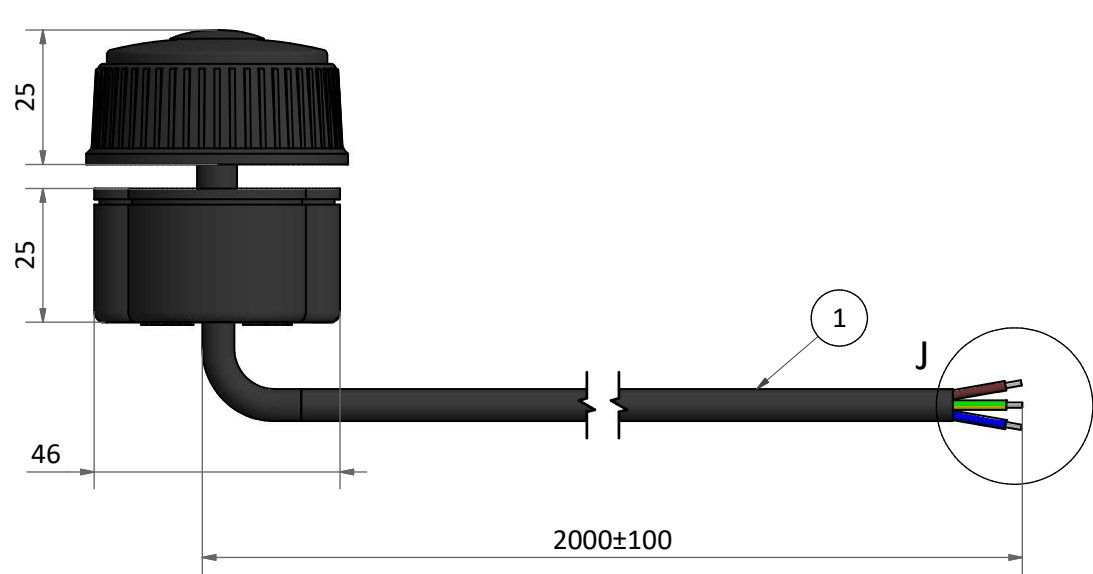
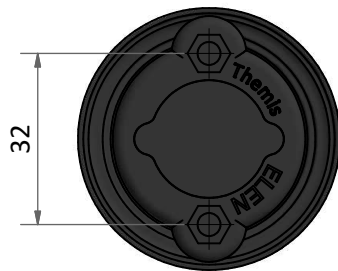


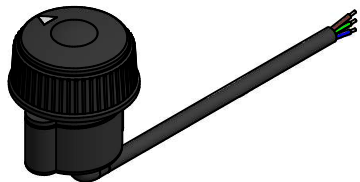
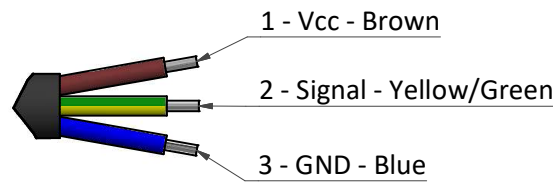
■ Hall Effect Accelerator Knob



View from "Y"



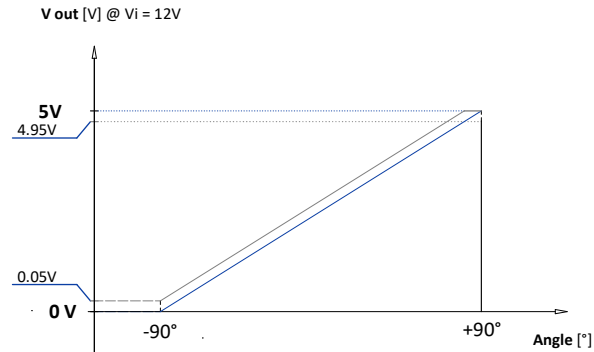
J (2 : 1)



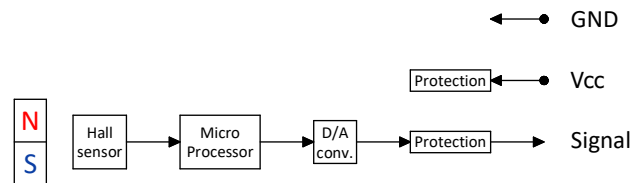
Ref.	Description	Operating temperature
1	Cable HT 105°C	-25 / +105

 ELEN industrial vehicles sensors				www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)			
				Part Number:		AA313241			
				Description:		Themis electronic knob 12V ±45°			
Rev.	Date	Sign.	Review Description						
				Designed	26/10/2020	Giulia M.	Scale : 1 : 2 (A3 format)		
				Checked	26/10/2020	Mauro Canavesi	Dimensions without tolerance indication: ISO 2768 - m		
				Approved	26/10/2020	Mauro Canavesi		Units mm	Page 1 / 2

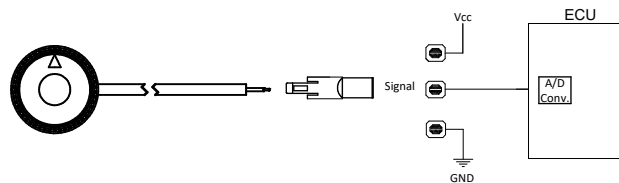
Output Signal



Functional Scheme



Typical Application



Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply	12V $\pm 10\%$	ELEN PDV Rev. 3 - 5.1
	EMC Compatibility	BCI - Class "A" - 100mA ; 1~400 MHz	ISO 11452-4
	EMC Compatibility - Magn.Field Imm.	15Hz $\div$ 150 kHz	ISO 11452-8 ; 2007
	Reverse Polarity Protection	-12V For 1h	ELEN PDV Rev. 3 - 5.3
	Overload Protection	1.56mA For 1h	ELEN PDV Rev. 3 - 5.6
	Overvoltage Protection	15V 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
	Supply Current (No Load)	10 mA Max	PDV Rev. 3 - P. 5.2
	Signal Output	0V [+0.05V] $\div$ 5V [-0.05V]	-
	Output Current	1.3 mA Max	PDV Rev. 3 - P 5.5
	Dielectric Rigidity	750V@50Hz For 60s	ELEN PDV Rev. 3 - 5.11
	ESD Protection	± 8 kV Contact , ± 15 kV Air	EN 61000-4-2
	Insulation Resistance	1000 MOhm@500V	ELEN PDV Rev. 3 - 5.10
	Temperature Operating Voltage	12V@80°C For 1h	ELEN PDV Rev. 3 - 5.8
	Resolution	12 bit	-
	Linearity	$< \pm 1\%$	-
	Transient Voltage Protection	Pulses 1, 2A, 2B, 3A, 3B, 4	ISO 7637-2; ISO 16750-2 (2012)
	Load Dump Transient	Test A (V supply 12V)	ISO 16750-2 (2012)
Environmental	Operating Temperature	-40°C $\div$ +80°C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC60068-2-14
	Storage Temperature	-40°C $\div$ +80°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 $\div$ 12.87) Hz@dis ± 15 mm , (12,87 $\div$ 200) Hz@dis $< \pm 15$ mm@5g, 1 Octave/min , 20 Sweep Cycles	IEC 60068-2-6; ISO15998
Mech.	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	IEC 60068-2-64; ENS0310 Rev.J
	Body Material	Nylon 6.6 GF	-