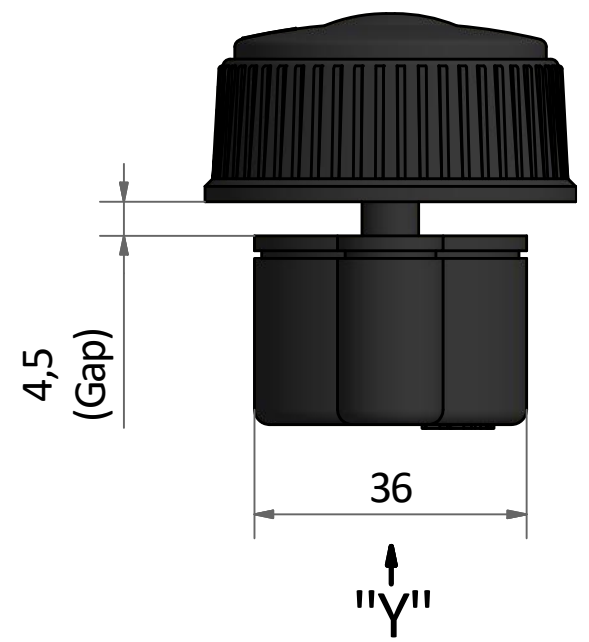
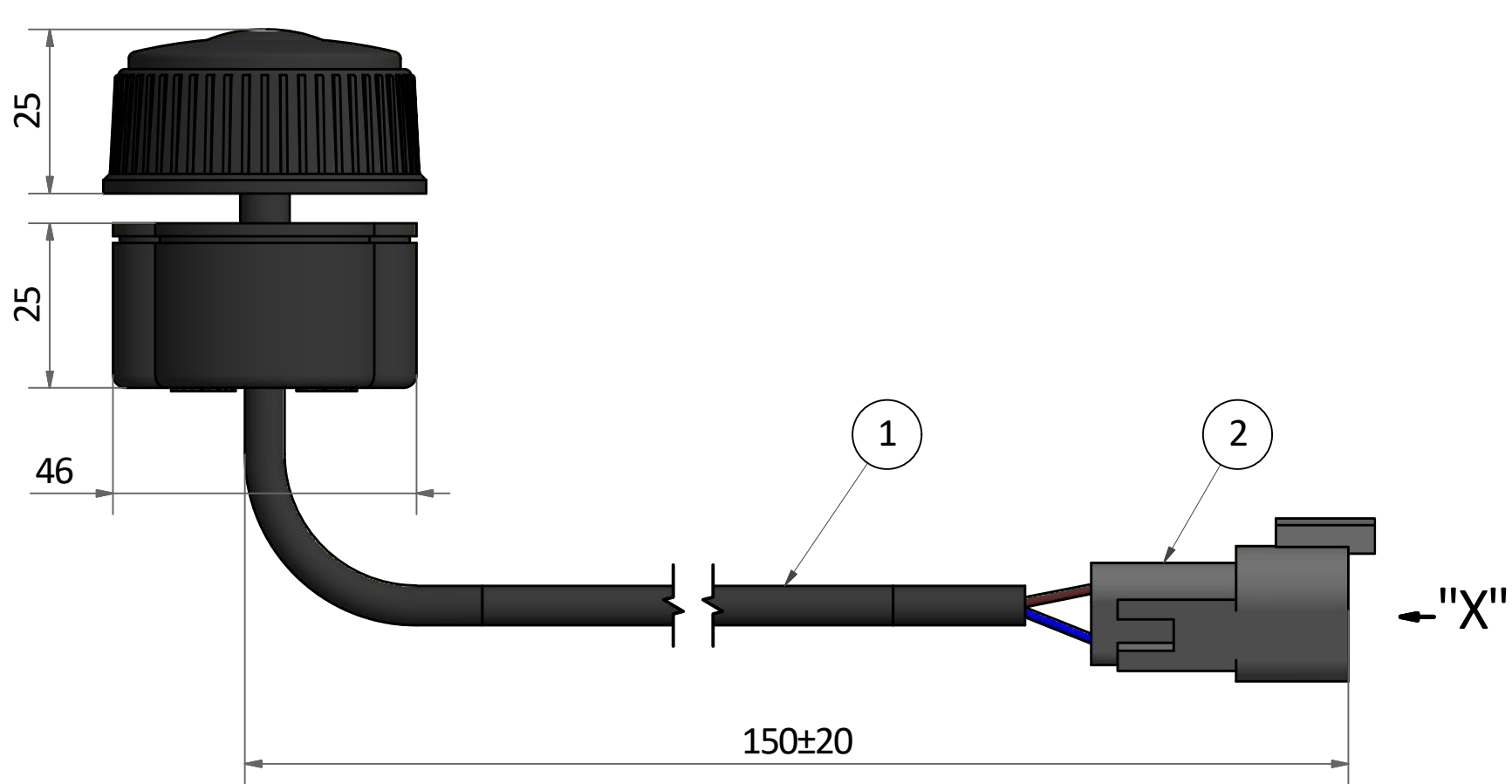
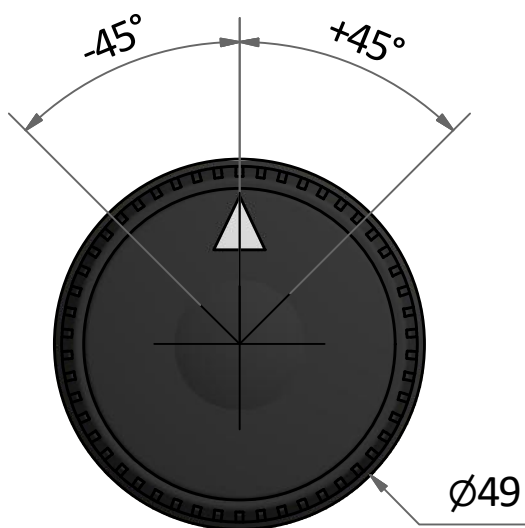


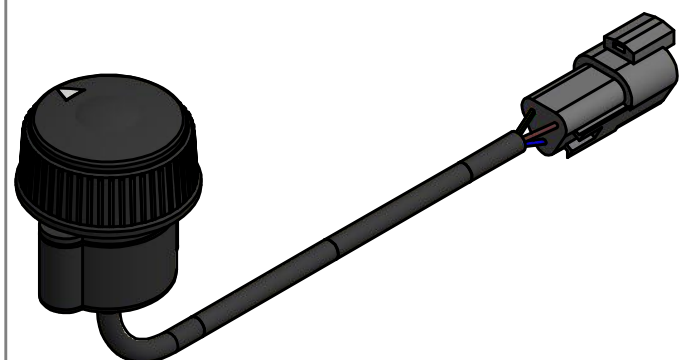
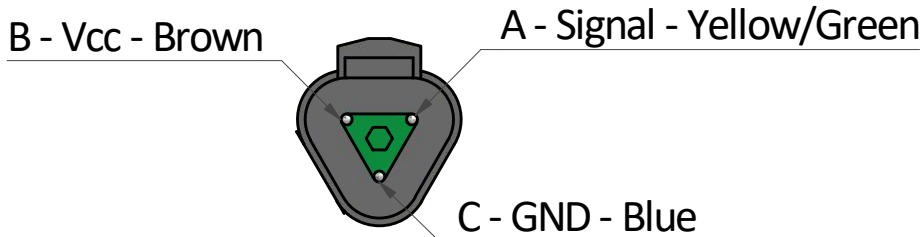
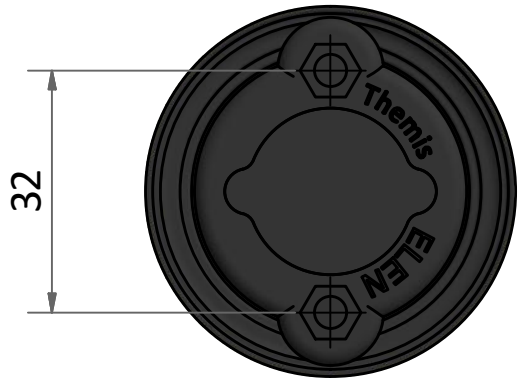
■ Hall Effect Knob - Themis Series



View from "X"



View from "Y"



Ref.	Description	Operating temperature
1	Cable HT 105°C	-25 / +105
2	3 Pin Deutsch DT04-3P Connector	-55 / +125

**ELEN**
industrial vehicles sensors

www.elensrl.com
Part Number: **AA313101-2**
Description: Themis electronic knob (10-30)V ±45°

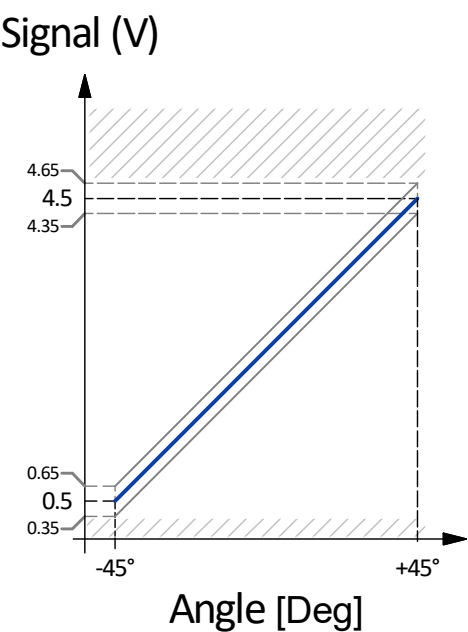
Elen Srl - Garbagnate Milanese (MI)

Rev.	Date	Sign.	Review Description

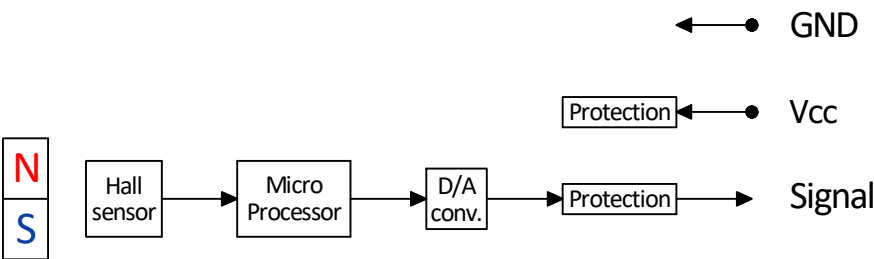
Designed	12/02/2024	Giulia M.	Scale :	1 : 2 (A3 format)
Checked	12/02/2024		Dimensions without tolerance indication: ISO 2768 - m	
Approved	12/02/2024			Units mm

Page 1 / 2

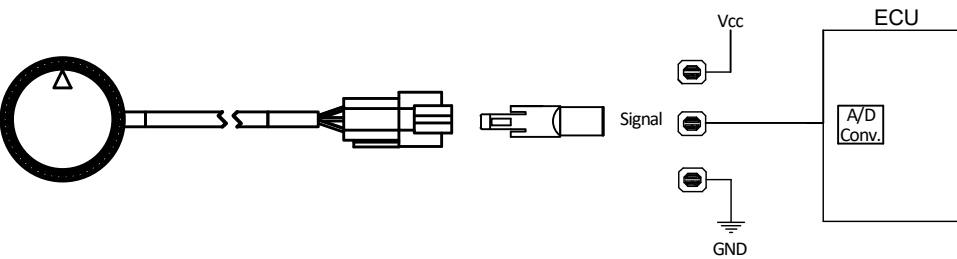
■ Output Signal



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power supply (Vcc)	10V Min ÷ 30V Max	ELEN PDV Rev. 3 - 5.1
	EMC Compatibility	BCI - Class "A" - 100mA ; 1~400 MHz	ISO 11452-4
	EMC Compatibility - Magn.Field Imm.	15Hz ÷ 150 kHz	ISO 11452-8 : 2007
	Reverse Polarity Protection	-30V For 1h	ELEN PDV Rev. 3 - 5.3
	Overload Protection	24mA For 1h	ELEN PDV Rev. 3 - 5.6
	Overvoltage Protection	36V 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)	20 mA Max	PDV Rev. 3 - P. 5.2
	Signal Output	Linear [0.5V - 4.5V]	-
	Output Current	20 mA Max	PDV Rev. 3 - P 5.5
	Dielectric Rigidity	750V@50Hz For 60s	ELEN PDV Rev. 3 - 5.11
	ESD Protection	±8kV Contact , ±15 kV Air	EN 61000-4-2
	Insulation Resitance	1000 MOhm@500V	ELEN PDV Rev. 3 - 5.10
	Temperature Operating Voltage	30V@80°C For 1h	ELEN PDV Rev. 3 - 5.8
	Resolution	0.2°	-
Environmental	Linearity Error	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 24V)	ISO 16750-2 (2012)
	Operating Temperature (for Electronic Components)	-40°C ÷ +80°C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC60068-2-14
	Storage Temperature (for the Assembly)	-25°C ÷ +105°C	IEC 60068-2-1 ; IEC 60068-2-2 ; IEC 60068-2-30 ; IEC60068-2-14
Mech.	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	IEC 60068-2-6; ISO15998
	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	IEC 60068-2-64; ENS0310 Rev.J
	Body Material	Nylon 6.6 GF	-