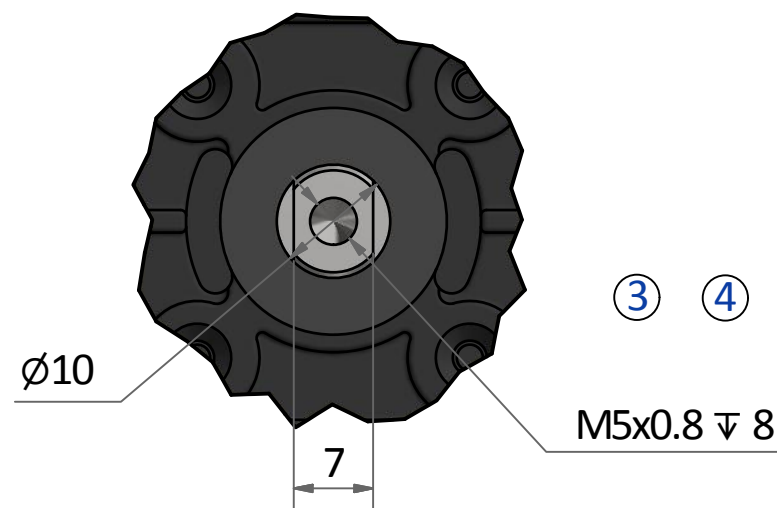
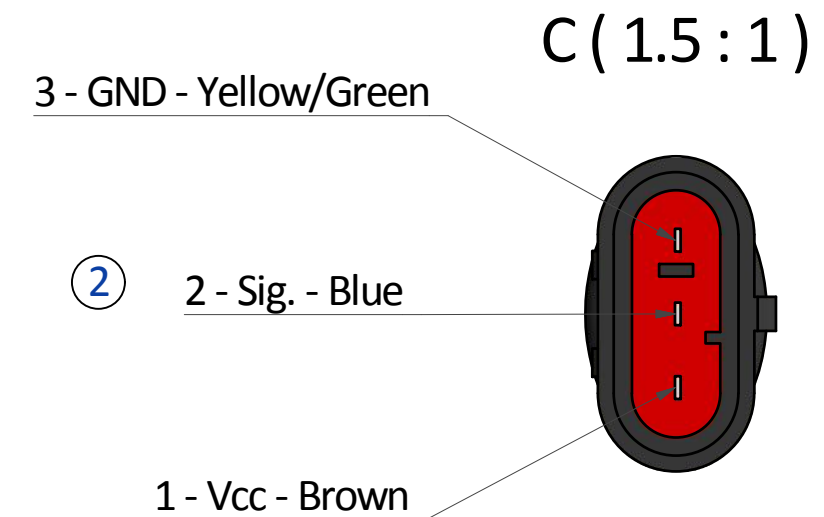
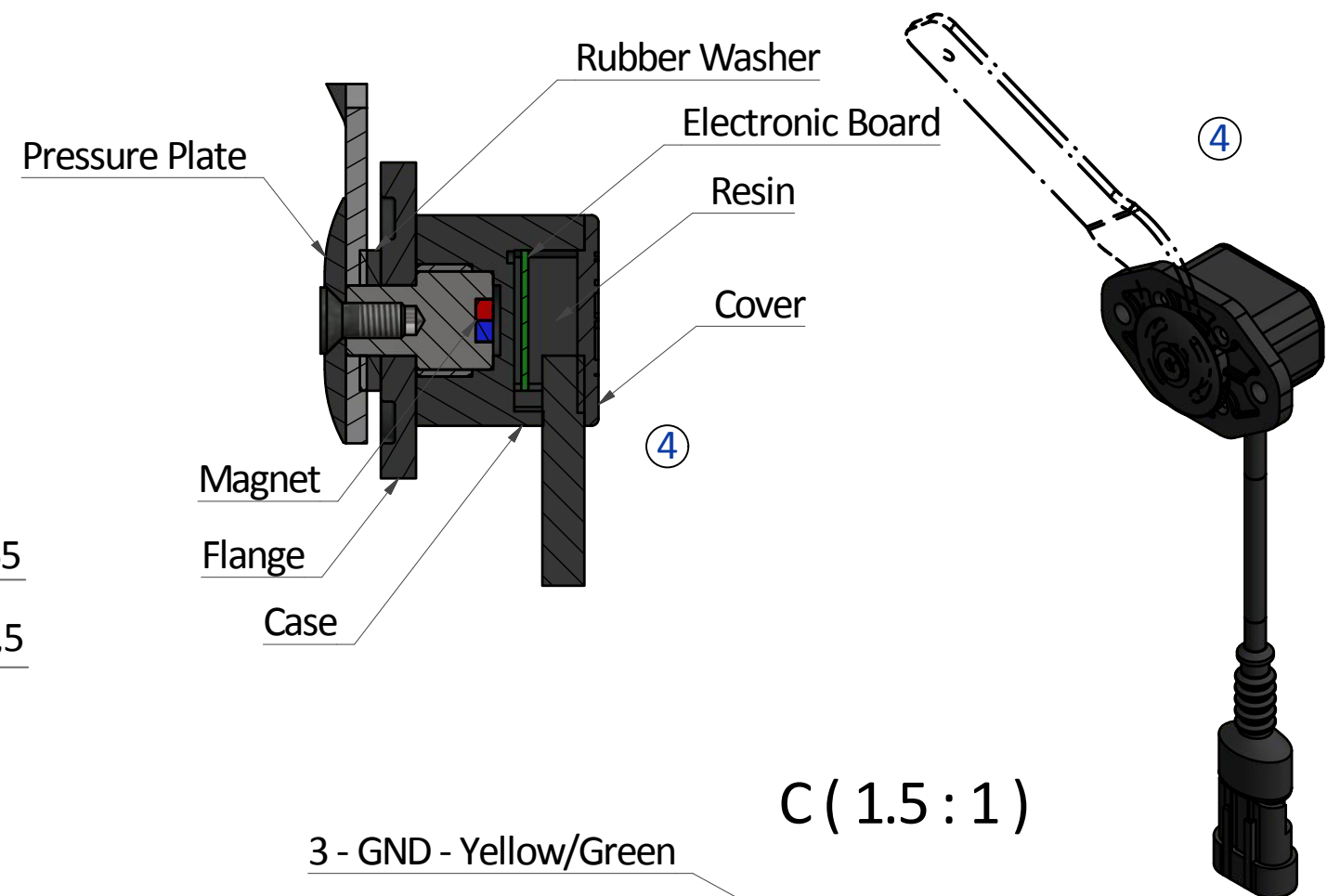
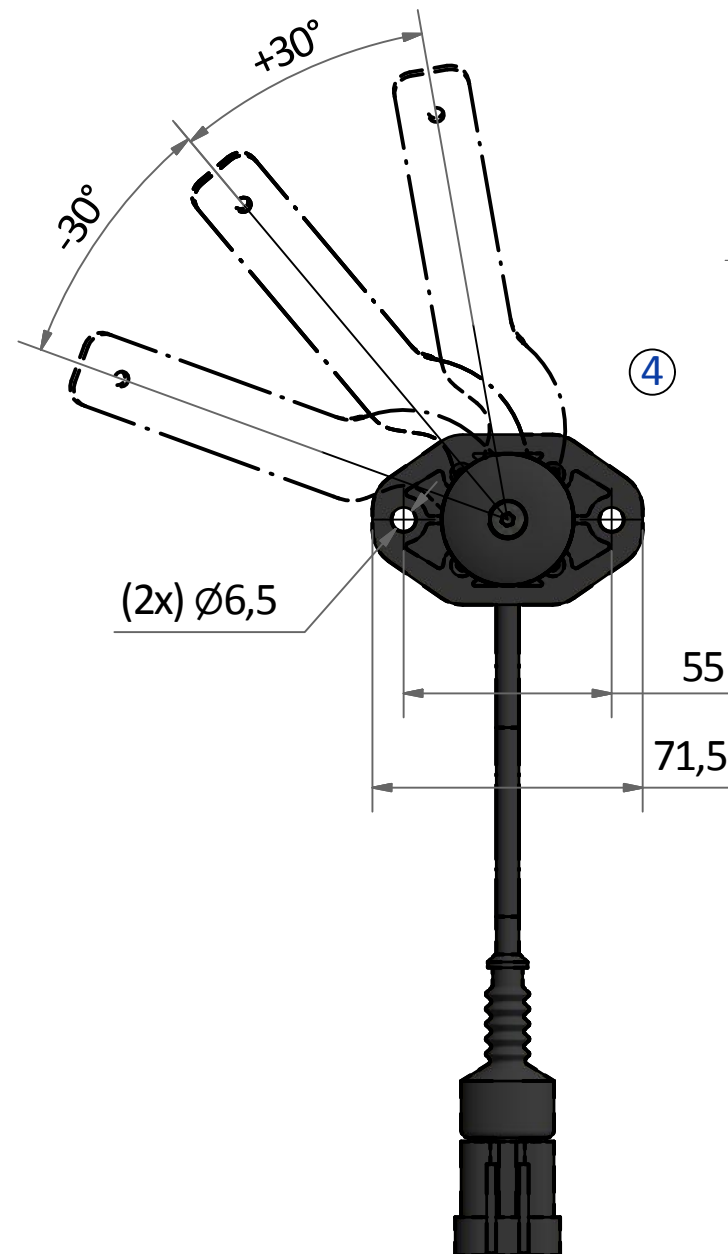
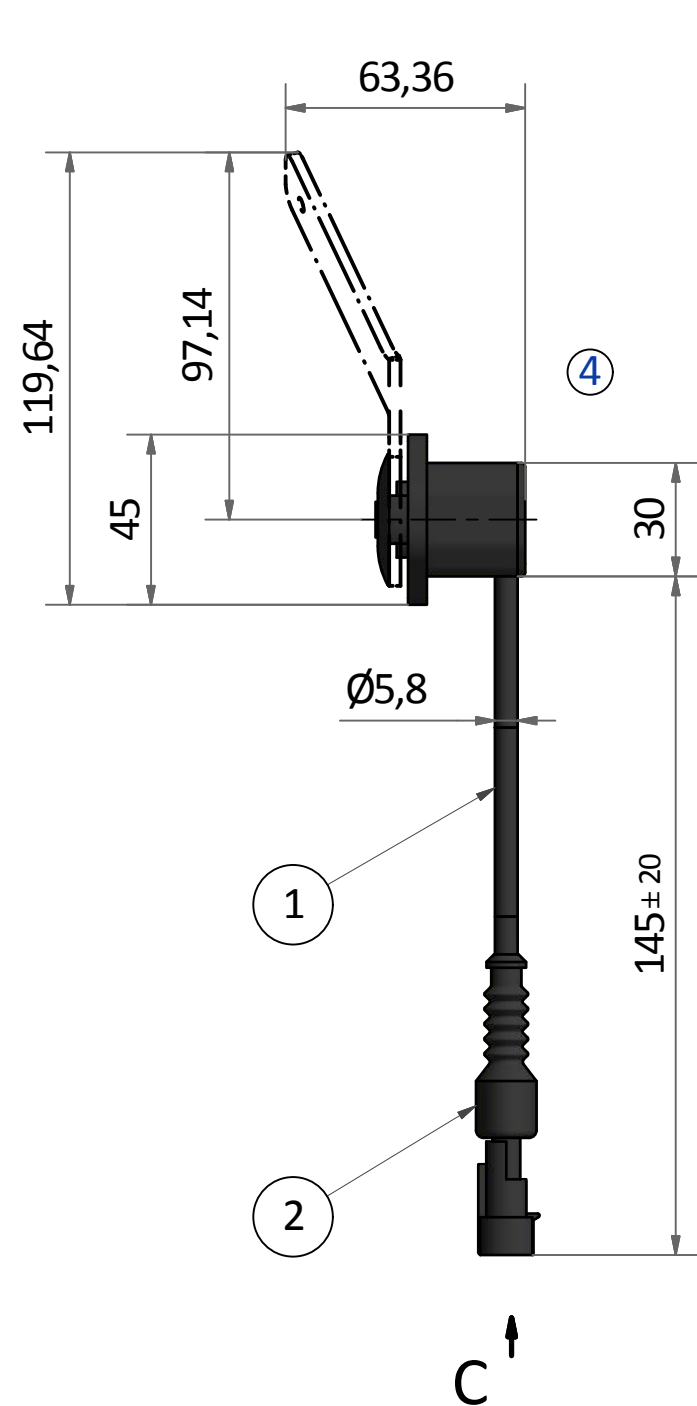


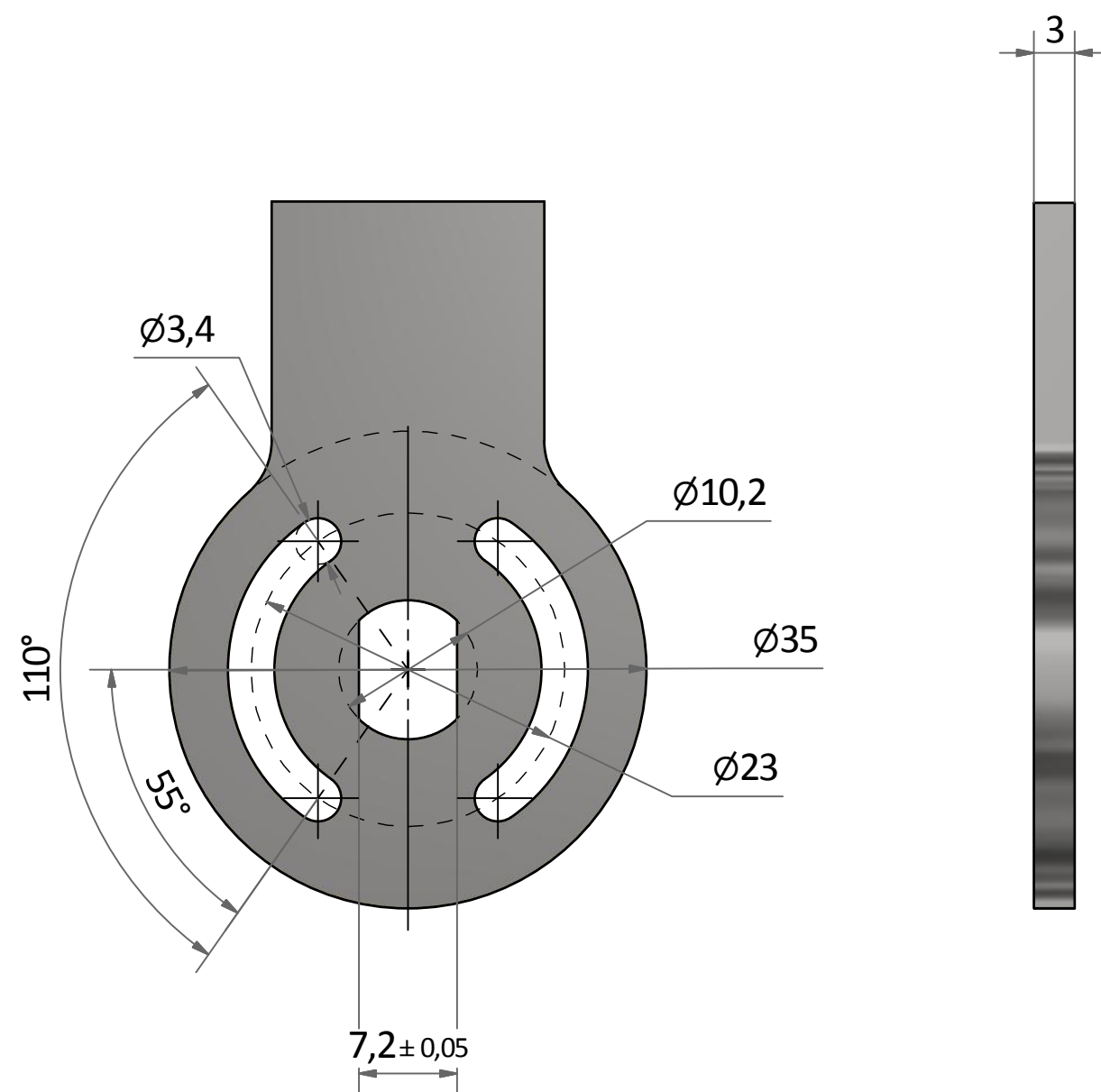


Ref.	Description	Operating temperature
1	Cable HT 105°	-40 / +105
2	Tyco SuperSeal 1.5 Series 3 Pins Connector	-40 / +125

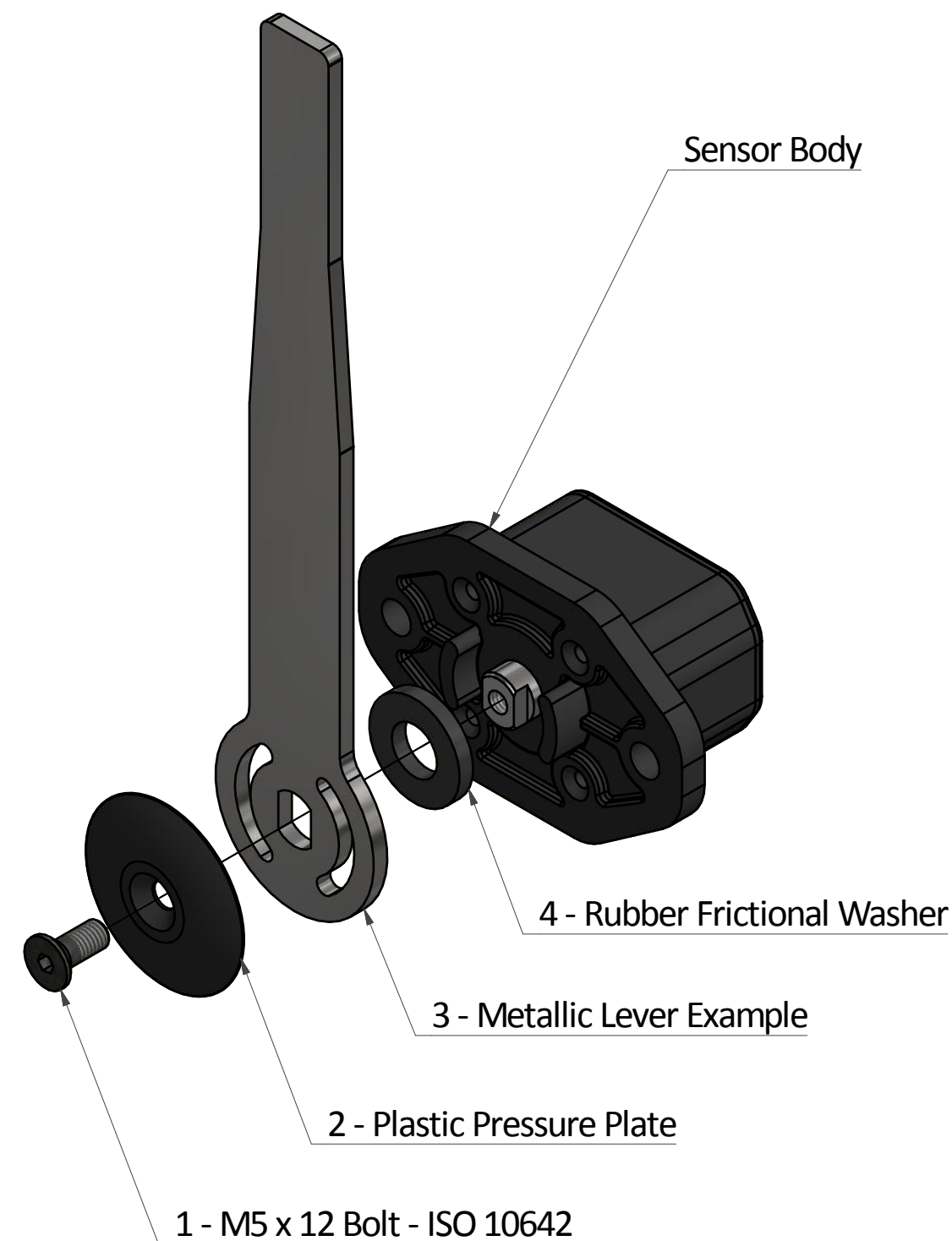
 ELEN industrial vehicles sensors				www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)		
				Part Number:		AA390003		
				Description:		Leva Axios 8V ÷ 30V		
Rev.	Date	Sign.	Review Description	Designed	11/03/2022	alorenzetto	Scale : 1 : 2 (A3 format)	
1	20/04/2022	A.L.	Electronic Board Updated	Checked	-	-	Dimensions without tolerance indication: ISO 2768 - m	
2	11/05/2022	A.L.	Pinout Updated					
3	19/06/2022	M.M.	Added Shaft Dimensions					
4	31/01/2022	M.M.	Updated Mechanics	Approved	-	-	 Units mm	
								Page 1 / 3

④

■ Lever - Shaft Coupling Specification

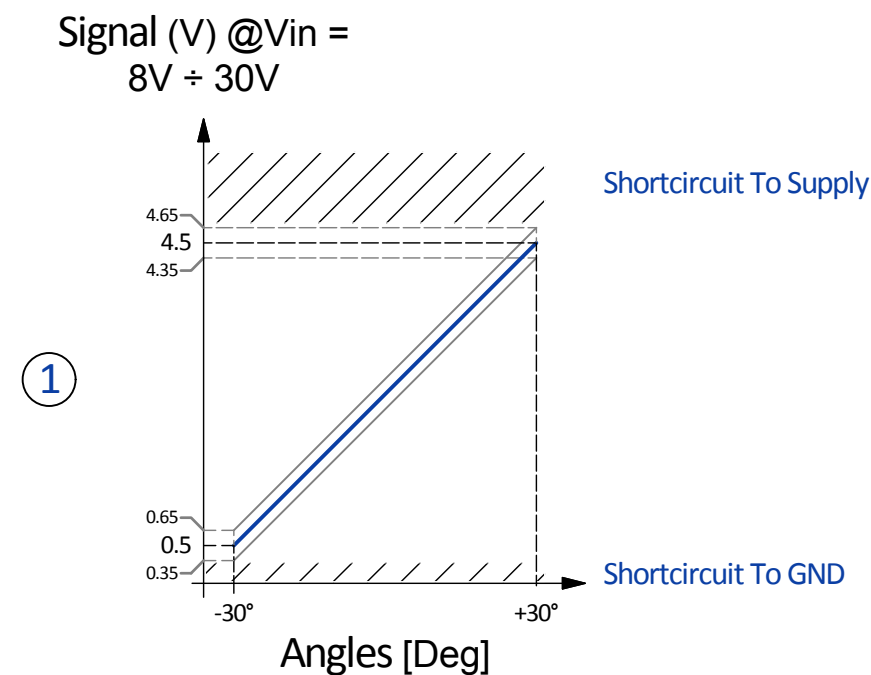


■ Mounting Scheme

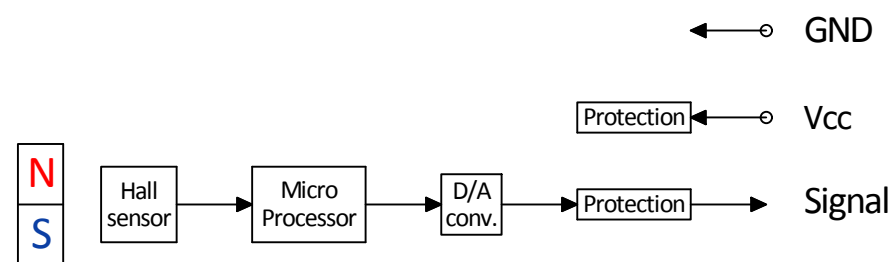


Resistant Force could be adjusted
tightening the M5 bolt

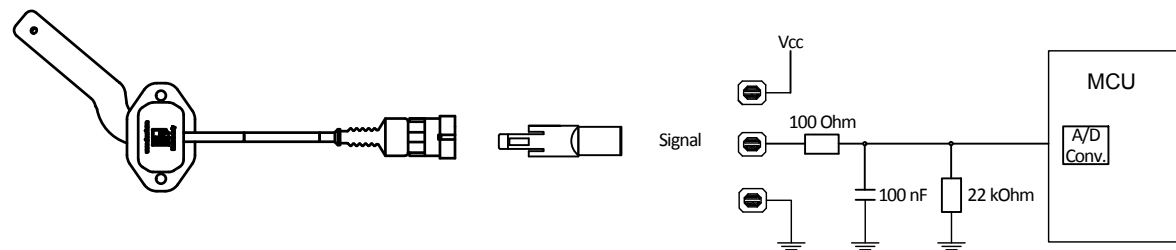
■ Output Signal



■ Functional Scheme



■ Typical Application



■ Technical Specifications

①

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	8V Min ÷ 30V Max	PDV Rev. 3 - P. 5.1;
	Output Current	20mA Max	PDV Rev. 3 - P. 5.5;
	Supply Current (no load)	30mA Max	PDV Rev. 3 - P. 5.2;
	Output Signal	Linear 0,5V@-30° ÷ 4,5V@+30°	-
	Overload Protection	24mA For 1h (50 mA)	PDV Rev. 3 - P. 5.6;
	Overvoltage Protection	36V for 1h	PDV Rev. 3 - P. 5.7;
	Temperature Operating Voltage	30V@80°C for 1h	PDV Rev. 3 - P. 5.8;
	Reverse Polarity Protection	-30V For 1h (-36 V)	PDV Rev. 3 - P. 5.3;
	Shortcircuit Protection	To Ground For 5' ; To Supply For 5'	PDV Rev. 3 - P. 5.4;
	Insulation Resistance	1000MΩ@500V	PDV Rev. 3 - P. 5.10;
	Dielectric Rigidity	750V@50Hz For 60s	PDV Rev. 3 - P. 5.11;
	ESD Protection	±8kV Contact; ±15kV Air	EN 61000-4-2;
	Transient Voltage Protection	Pulses 1, 2A, 2B, 3A, 3B, 4, 5	ISO 7637-2:2011 ISO 16750-2:2012
	Linearity	<±1%	-
Environmental	Resolution	12 bit	-
	Maximum Load Recommended Output	>220 Ohm	-
	Operating Temperature	-30°C ÷ +80°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Storage Temperature	-40°C ÷ +110°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Degree Of Protection	IP67	IEC 60529;
	Vibrations Resistance - Random	f=10Hz@PSD=1.44g ² /Hz; f=100Hz@PSD=3.85 g ² /Hz; f=1000Hz@PSD=3.85g ² /Hz; f=2000Hz@PSD=0.96g ² /Hz; 3 Axes - 24h for Axis	IEC 60068-2-64; ENS 0310 Rev J;
	Vibrations Resistance - Sine	(5÷12.87)Hz@displacement=±15mm, (12.87÷200)Hz@dis≤±15mm@5g, 1Octave/min, 20 Sweep Cycles	IEC 60068-2-6;ISO 15998;
Mech.	EMC Compatibility - Magnetic Field Immunity	15Hz ÷ 150 kHz	ISO11452-8:2007;
	EMC Compatibility - BCI	BCI Class "A" - 100mA; (1÷400)MHz	ISO11452-4;
	Body Material	Nylon 6.6 GF	-
	Tightening Torque	7 Nm	-