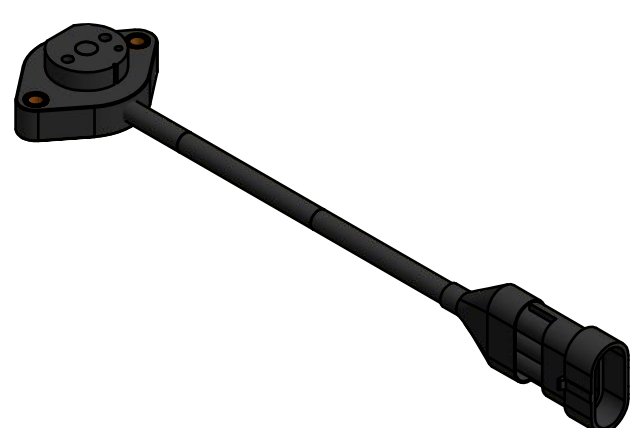
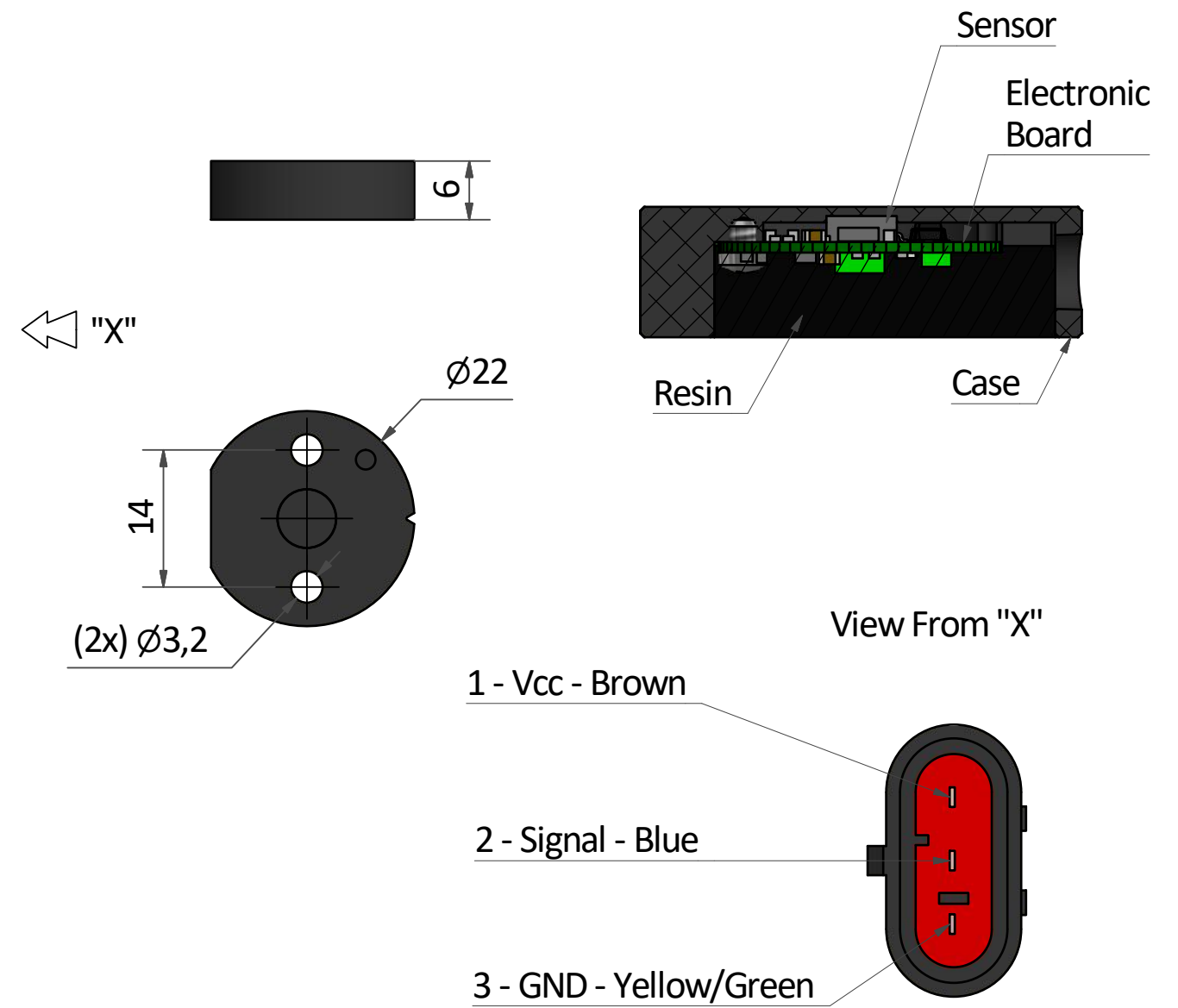
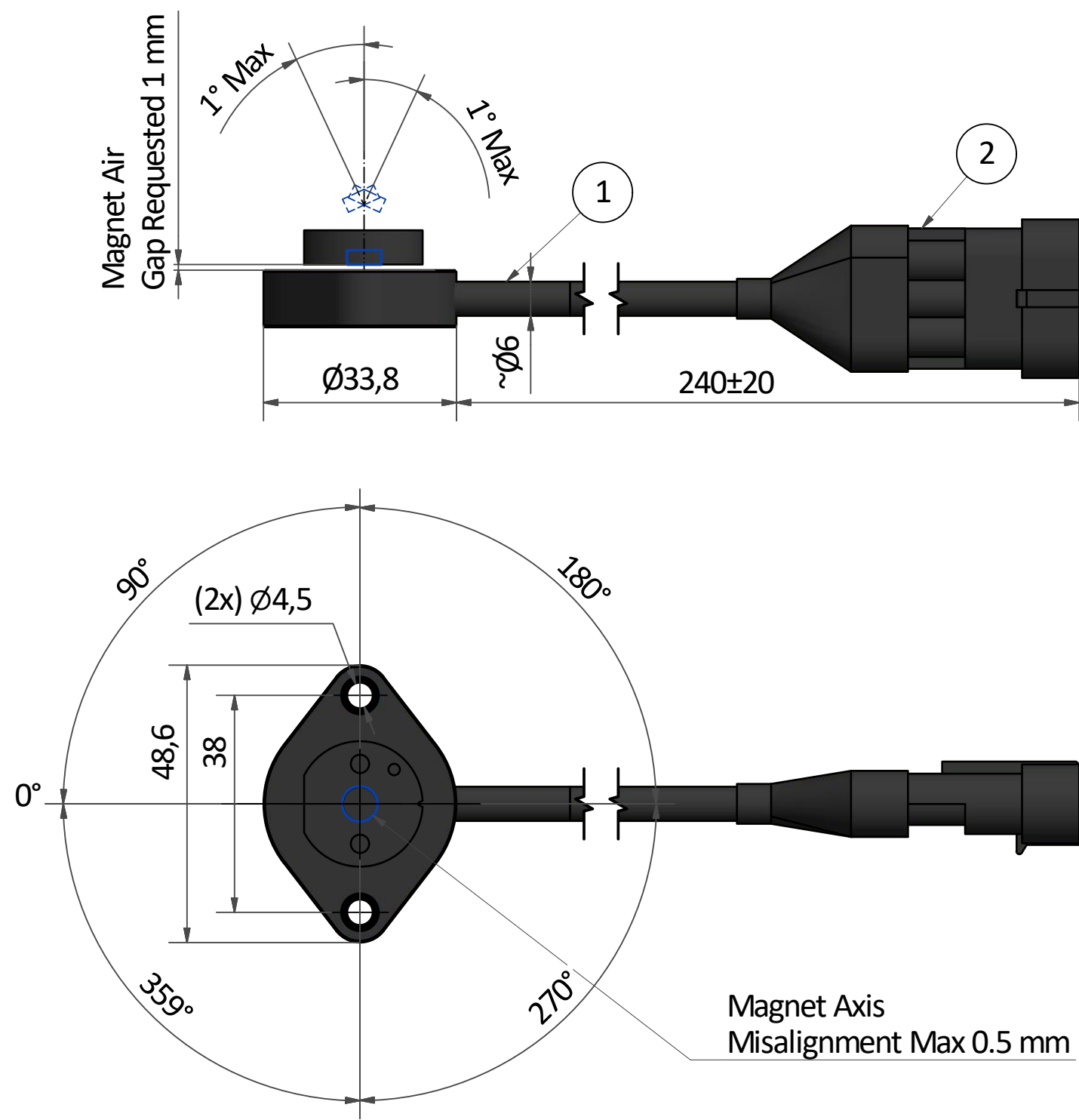


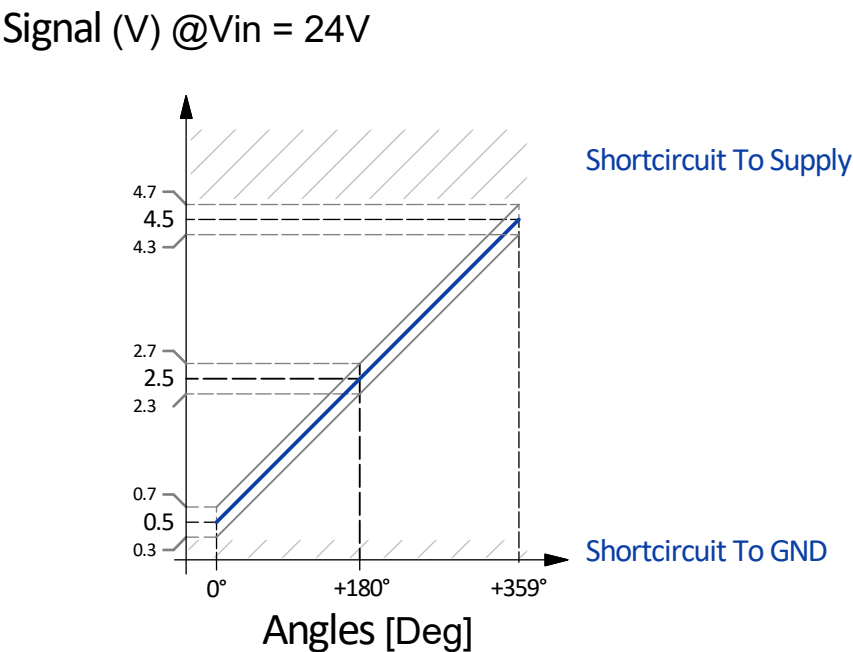
■ Contactless Angular Sensor



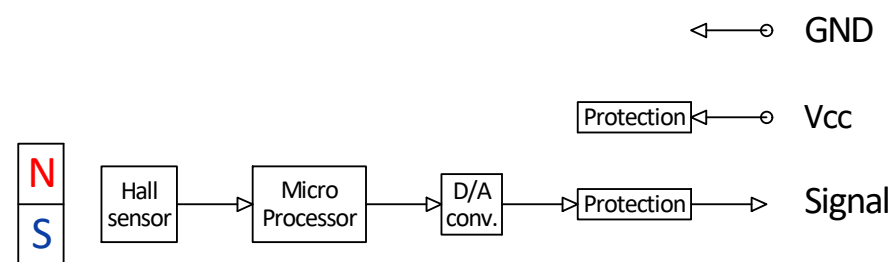
| Ref. | Description                               | Operating Temperature (°C) |
|------|-------------------------------------------|----------------------------|
| 1    | Cable HT 105°C                            | -25 / +105                 |
| 2    | Tyco Superseal 1.5 Series 3 Pin Connector | -40 / +125                 |

|                                                                                       |  |                 |                    |                                          |  |
|---------------------------------------------------------------------------------------|--|-----------------|--------------------|------------------------------------------|--|
|  |  | www.elensrl.com |                    | Elen Srl - Garbagnate Milanese (MI)      |  |
| Rev.                                                                                  |  | Date            | Sign.              | Part Number:                             |  |
| Date                                                                                  |  | Sign.           | Review Description | Description:                             |  |
| 26/08/2022                                                                            |  | Matteo M.       |                    | Contactless Angular Sens. 360° 24V       |  |
| 26/08/2022                                                                            |  |                 |                    | Scale :                                  |  |
| 26/08/2022                                                                            |  |                 |                    | 1 : 1 (A3 format)                        |  |
| 26/08/2022                                                                            |  |                 |                    | Dimensions without tolerance indication: |  |
| 26/08/2022                                                                            |  |                 |                    | ISO 2768 - m                             |  |
| 26/08/2022                                                                            |  |                 |                    | Units                                    |  |
| 26/08/2022                                                                            |  |                 |                    | mm                                       |  |
| 26/08/2022                                                                            |  |                 |                    | Page 1 / 2                               |  |

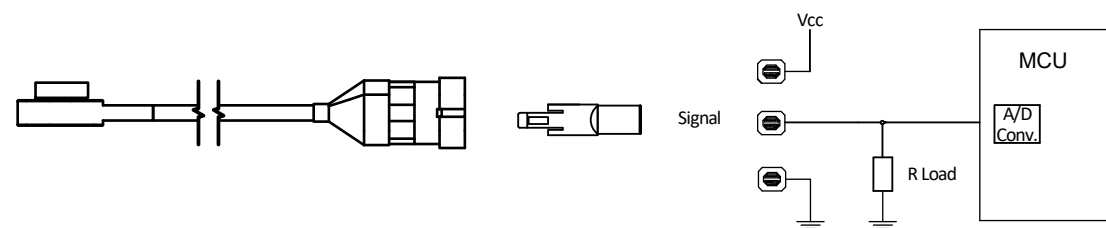
■ Output Signals



■ Functional Scheme



■ Typical Application



■ Technical Specifications

|               | Specific                                          | Value                                                                                                                      | Standard Reference                                     |
|---------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Electrical    | Power Supply (Vcc)                                | Min10V - 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 (-36V)                                                                                                         | ELEN PDV Rev. 3 - 5.3                                  |
|               | Overload Protection                               | 24 mA For 1h                                                                                                               | ELEN PDV Rev. 3 - 5.6                                  |
|               | Overvoltage Protection                            | 36V For 1h                                                                                                                 | ELEN PDV Rev. 3 - 5.7                                  |
|               | Output Current                                    | 20 mA Max                                                                                                                  | ELEN PDV Rev. 3 - 5.5                                  |
|               | Maximum Load Recommended Output                   | 220 Ohm                                                                                                                    | -                                                      |
|               | Supply Current (No Load)                          | 30 mA Max                                                                                                                  | ELEN PDV Rev. 3 - 5.2                                  |
|               | Linear Output 1                                   | 0.5V ÷ 4.5V [±0.2V]                                                                                                        | -                                                      |
|               | Resolution                                        | 12 bit                                                                                                                     | -                                                      |
|               | Temperature Operating Voltage                     | 30V @ 105°C For 1h                                                                                                         | ELEN PDV Rev. 3 - 5.8                                  |
|               | Linearity                                         | < ±1%                                                                                                                      | -                                                      |
|               | Dielectric Rigidity                               | 750V @ 50Hz For 60s                                                                                                        | ELEN PDV Rev. 3 - 5.11                                 |
|               | Insulation Resistance                             | 1000 MΩ @ 500V                                                                                                             | ELEN PDV Rev. 3 - 5.10                                 |
| Environmental | Shortcircuit Protection                           | To GND For 5' ; To Supply For 5'                                                                                           | ELEN PDV Rev. 3 - 5.4                                  |
|               | Operating Temperature (for Electronic Components) | -40°C ÷ +105°C                                                                                                             | EN 60068-2-1;EN 60068-2-2; EN 60068-2-30;EN 60068-2-14 |
|               | Storage Temperature (for the Assembly)            | -25° ÷ +105°C                                                                                                              | EN 60068-2-1;EN 60068-2-2; EN 60068-2-30;EN 60068-2-14 |
|               | 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                                            | EN 60068-2-64; ISO 15998                               |
| Mech.         | 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 | EN 60068-2-64 ENS 0310 Rev.J                           |
|               | Body Material                                     | Plastic                                                                                                                    | -                                                      |
|               | Shaft Material                                    | Plastic                                                                                                                    | -                                                      |