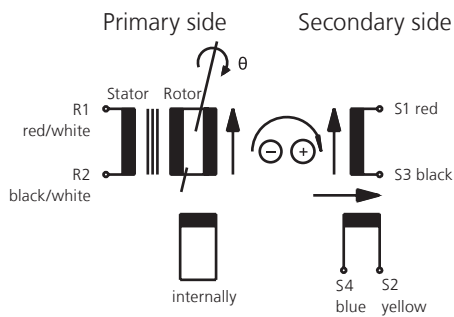


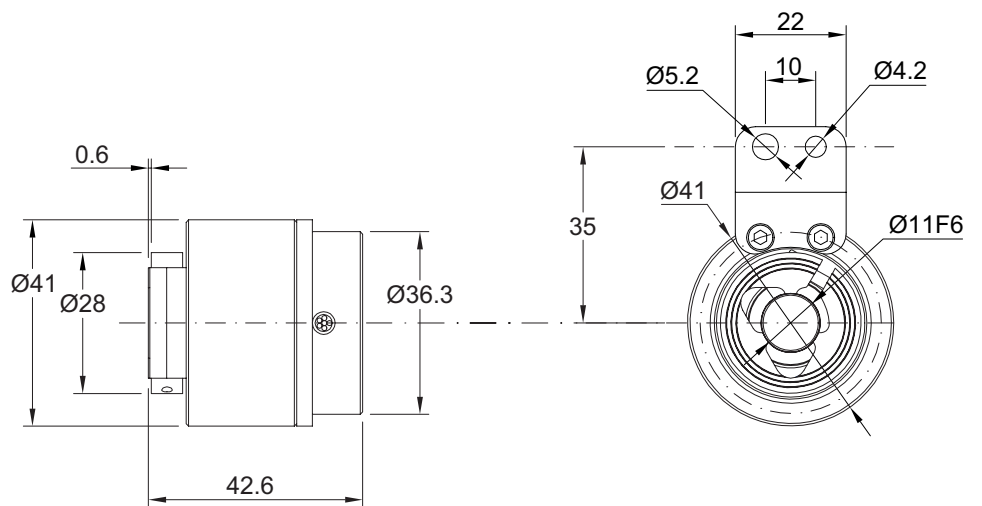
FACTS

- Outer Ø: 36.3 mm
- Hollow shaft Ø: max. 11 mm
- Length: 16 mm



Input:  $E(R1-R2) = E \cdot \sin(\cos)$   
 Output:  $E(S1-S3) = TR \cdot E(R1-R2) \cdot \cos \theta$   
 $E(S2-S4) = TR \cdot E(R1-R2) \cdot \sin \theta$   
 TR = Transformation ratio

Positive counting direction:  
 Rotor cw as viewed ( X → )



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## ELECTRICAL DATA

|                               |                                 |
|-------------------------------|---------------------------------|
| Primary side                  | R1 - R2                         |
| Pole Pairs                    | 1                               |
| Transformation ratio          | $0.5 \pm 0.05$                  |
| Input voltage                 | 7 V / 7 V                       |
| Input current (typ.)          | 65 mA / 41 mA                   |
| Input frequency               | 5 kHz / 10 kHz                  |
| Phase shift ( $\pm 3^\circ$ ) | $13^\circ/-2$                   |
| Null voltage                  | max. 30 mV                      |
| Accuracy                      | $\pm 10'$ , $\pm 6'$ on request |
| Accuracy ripple               | max. 1'                         |
| Operating temperature         | -40 °C ... +100 °C              |
| Max. permissible speed        | 5.000 min <sup>-1</sup>         |
| Hi-pot housing/winding        | min. 500 V <sub>AC</sub>        |
| Hi-pot winding/winding        | min. 250 V <sub>AC</sub>        |
| Rotor / Stator                | Completely impregnated          |