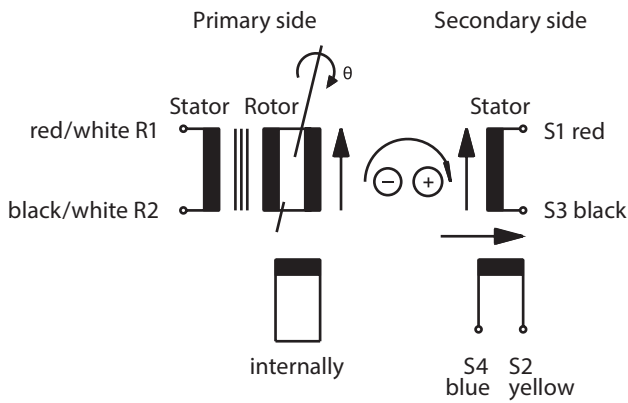




RESOLVE R
RE 27

FACTS

- Hollow shaft Ø: max. 30 mm
- Outer Ø: 72 mm
- Length: 30 mm



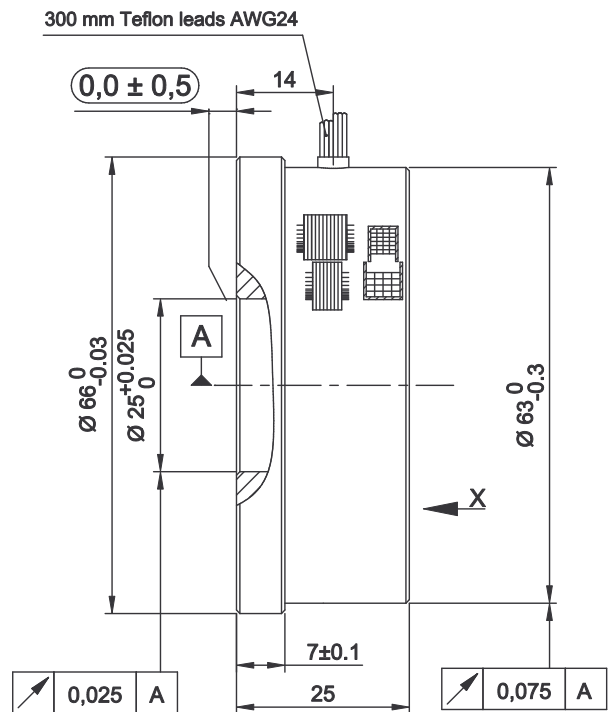
Input: $E(R1-R2) = E \cdot \sin(\cos)$

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 →)



SELECTION GUIDE FOR ELECTRICAL DATA

Primary side	R1 - R2
Pole Pairs	1
Transformation ratio	0,5 ± 10%
Input voltage	7 V
Input current	30 mA
Input frequency	10 kHz
Phase shift	-8° ± 3°
Null voltage	max. 30 mV
Impedance	
Zro	138 Ω + j · 210 Ω
Zrs	116 Ω + j · 191 Ω
Zso	271 Ω + j · 462 Ω
Zss	223 Ω + j · 420 Ω
D.C. resistance	
Rotor	62 Ω ± 10% at 20 °C
Stator	53 Ω ± 10% at 20 °C
Accuracy	± 10'
Accuracy ripple	max. 1'
Operating temperature	-55 °C ... +155 °C (-67 °F ... +311 °F)
Max. permissible speed	16.000 min ⁻¹
Shock (11ms)	< = 1.000 m/s ²
Vibration (10 to 500 Hz)	< = 500 m/s ²
Weight rotor/stator	142 g / 188 g
Hi-pot housing/winding	min. 500 V _{AC}
Hi-pot winding/winding	min. 250 V _{AC}
Rotor/ Stator	Completely impregnated