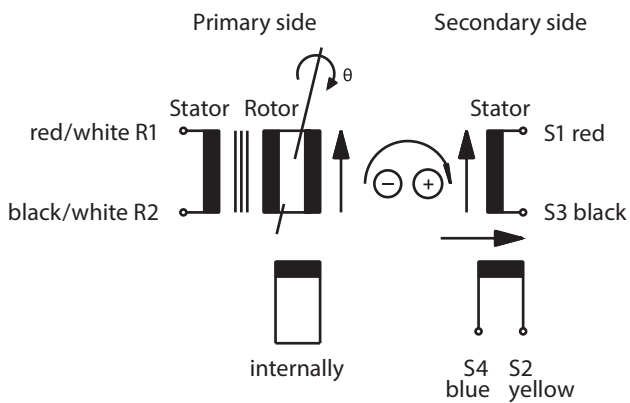




RESOLVE R
RE 15

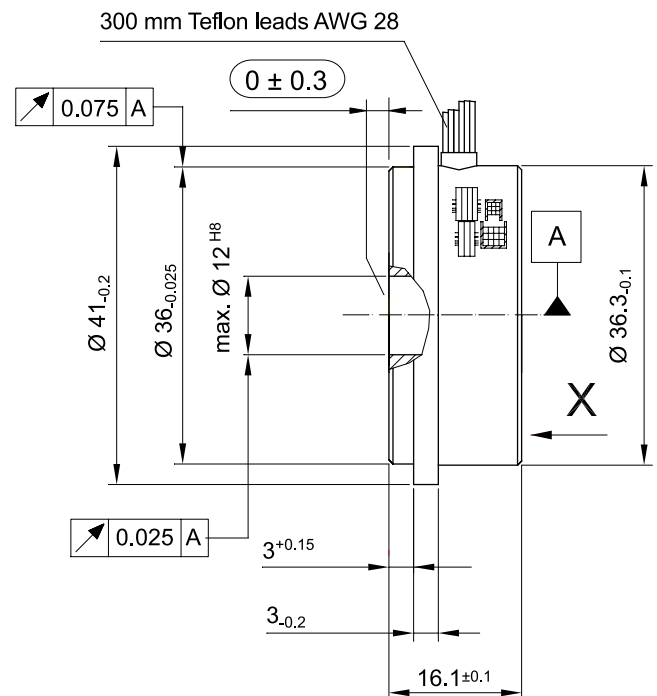
FACTS

- Hollow shaft Ø: max. 12 mm
- Outer Ø: 36.8 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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Basic Model	RE 15-1-A15	RE 15-1-K01	RE 15-1-V07	RE 15-3-D04	RE 15-4-D04					
Primary Side	R1 - R2									
Pole Pairs	1			3	4					
Transformation ratio	0.5 ± 0.05									
Input voltage	7 V _{rms}	7 V _{rms}	5 V _{rms}	5 V _{rms}	7 V _{rms}	7 V _{rms}	7 V _{rms}	7 V _{rms}	7 V _{rms}	7 V _{rms}
Input current	58 ma	36 ma	48 ma	17 ma	58 ma	36 ma	50 ma	24 ma	16 ma	10 ma
Input frequency	5 kHz	10 kHz	1 kHz	4.5 kHz	5 kHz	10 kHz	4 kHz	10 kHz	5 kHz	10 kHz
Phase shift (± 3°)	8°	-6°	26°	0°	8°	-6°	15°	0°	15°	1°
Null voltage	max. 30 mV									
Accuracy	± 10', ± 6' on request				± 4'		± 5'		± 6'	
Accuracy ripple	max. 1'						max. 3'			
Operating temperature	- 55 ° c ... + 155 ° c (-67 ° f ... +311 ° f)									
Max. permissible speed	20.000 min ⁻¹									
Hi-pot housing/winding	min. 500 V _{AC}									
Hi-pot winding/winding	min. 250 V _{AC}									
Rotor/Stator	c completely impregnated									