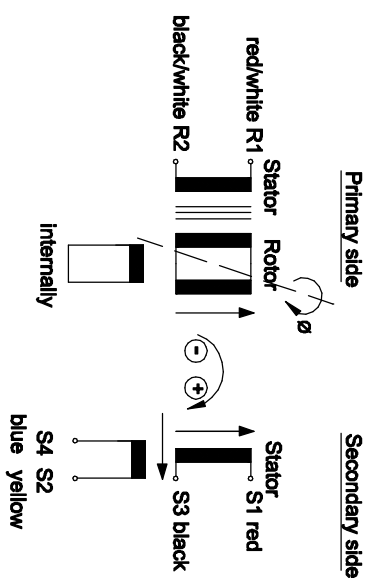


- leads pairwise twisted and shielded:
- red/white - black/white
- red - black
- blue - yellow
- shield over twisted pairs, not connected to housing
- shrinking tube over shield end



Input :  $E(R1-R2) = E \sin(2\omega t)$   
 Output :  $E(S1-S3) = Tr \times E(R1-R2) \cos\theta$   
 $E(S2-S4) = Tr \times E(R1-R2) \sin\theta$   
 $Tr =$  Transformation ratio

Inner diam. stator = 129 min.  
 Outer diam. rotor = 128 max.

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

<b>Primary side</b>	<b>R1 - R2</b>	<b>R1 - R2</b>
Pole pairs	1	1
Transformation ratio	0.5 ± 10%	0.5 ± 10%
Input voltage	5 V	5 V
Input current	23 mA	17 mA
Input frequency	5 kHz	10 kHz
Phase shift	8° ± 3°	-10° ± 3°
Null voltage	30 mV max.	30 mV max.
Impedance		
Zpo	191 j 109 Ohm	228 j 180 Ohm
Zps	183 j 107 Ohm	220 j 182 Ohm
Zso	724 j 1383 Ohm	1149 j 2494 Ohm
Zss	687 j 1346 Ohm	1079 j 2482 Ohm
<b>D.C. resistance</b>		
Rotor	138 Ohm ± 10%	138 Ohm ± 10%
Stator	200 Ohm ± 10%	200 Ohm ± 10%
Accuracy	± 4'	± 4'
Operating temperature	-55° C ... +155° C	-55° C ... +155° C
Max. permissible speed	5,000 rpm	5,000 rpm
Weight rotor/stator	1000 g / 1500 g	1000 g / 1500 g
Hi-pot housing/winding	500 V min.	500 V min.
Hi-pot winding/winding	250 V min.	250 V min.

h)		Datum	22.09.03	Heim	
g)		Bearb.	22.09.03	Plöck	
f)		Gepr.	22.09.03	Plöck	
e)		Norm			
d)		Kom.-N°			
c)					
b)					
a)					

Zuef. Änderung	Datum	Name	Datum	Name

<b>LTN</b> LTN Servotechnik GmbH		Zeichnungs-N°: RE-165-1-C001 EDV-N°:
<b>Resolver</b> RE-165-1-C001		Maßstab 1:1 Original A3