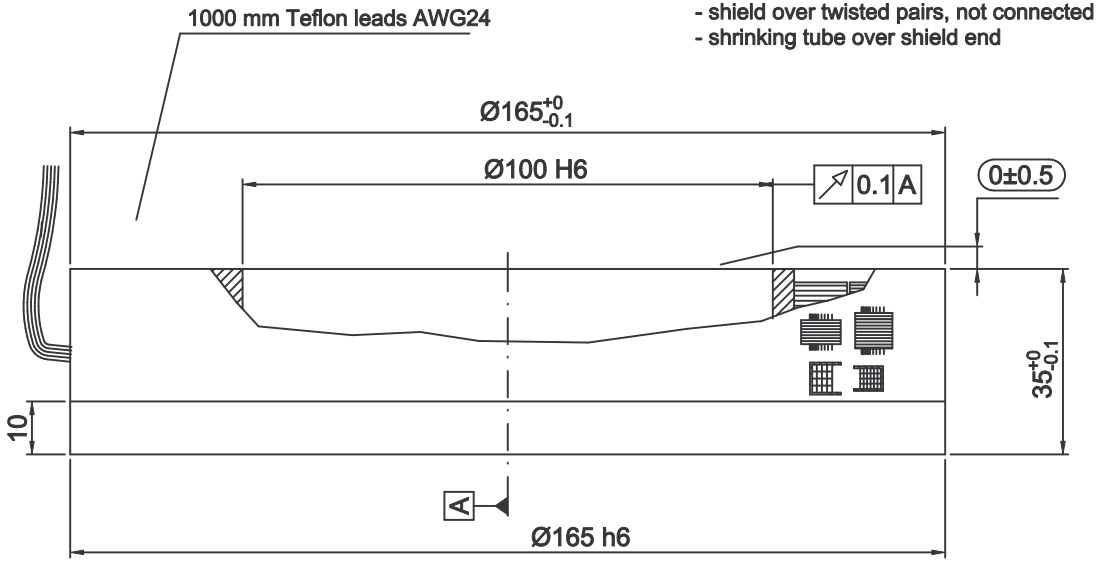
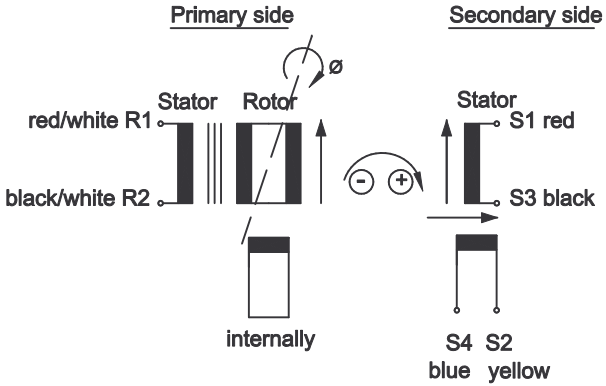
- leads pairwise twisted and shielded:
  - red/white - black/white
  - red - black
  - blue - yellow
- shield over twisted pairs, not connected to housing
- shrinking tube over shield end





Input : E(R1-R2) = Esin(2wt)
Output : E(S1-S3) = Tr x E(R1-R2)cosØ
E(S2-S4) = Tr x E(R1-R2)sinØ
Tr = Transformation ratio

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

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

Primary side	R1 - R2	R1 - R2
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
D.C. resistance		
Rotor	138 Ohm ± 10%	138 Ohm ± 10%
Stator	200 Ohm ± 10%	200 Ohm ± 10%
Accuracy repeatability	± 4 '	± 4 '
Accuracy absolute	± 20 '	± 20 '
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	Name
g)				Bearb.	02.12.05	Pielok
f)				Gepr.	02.12.05	Pielok
e)				Norm		
d)				Kom.-Nº:		
c)						
b)						
a)	168/05	02.12.05	gp			
Zust.	Änderung	Datum	Name	Datei:		

Resolver

RE-165-1-C001

LTN Servotechnik GmbH

Zeichnungs-Nº: RE-165-1-C001
EDV-Nº: 5921973

Maßstab 1:1
O-Format A3