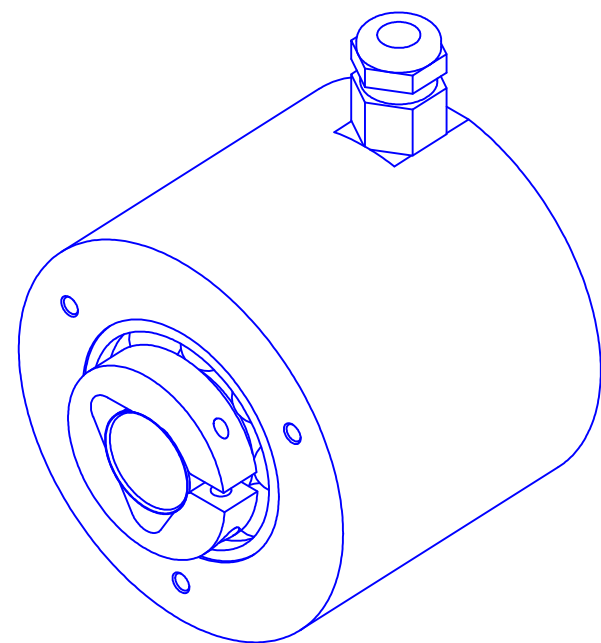


Primary Side : R1-R2
 Pole Pairs : 1
 Transformation Ratio : 0.3 ±10%
 Input Voltage : 5V rms
 Input Current : 30mA
 Input Frequency : 4kHz
 Phase Shift : 5° ±3°
 Null Voltage : 30mV typ.
 Z_{ro} : typ. 56 j 112
 Z_{rs} : typ. 50 j 96
 Z_{so} : typ. 110 j 155
 Z_{ss} : typ. 93 j 130
 DC Resistance @20°C:
 Rotor : 16 Ω ±10%
 Stator : 53 Ω ±10%
 Accuracy : ±10' (20' spread)
 Operating Temperature : -25°C -> 110°C
 max. permissible Speed : 3.000 rpm
 Weight : 0,5kg
 Rotor Moment of Inertia : 1,5*10E-4kgm²
 High Pot Test voltage
 Housing / Winding : 250VAC/50Hz/3sec.
 Winding / Winding : 250VAC/50Hz/3sec.
 Protection : IP64
 Rotor and Stator completely impregnated



Cable layout:

Signal	Lead	Resolver
UE+	brown	R1
UE-	black	R2
cos+	red	S1
cos-	orange	S3
sin+	yellow	S2
sin-	green	S4

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

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

h)				Datum	Name	Resolver, eigengelagert R58WQRE211K02-033-07FX
g)			Bearb.	05.03.07	Tamás	
f)			Gepr.	01.10.07	Angerpointner	
e)			Norm			
d)			Kom.-N°:			
c)						Zeichnungs-N°: R58WQRE211K02-033-07FX EDV-N°: 5927716
b)						
a)	M3x12 statt M2,5x16	26.07.17	MT			Maßstab 1:1 O-Format A3
Zust.	Änderung	Datum	Name	Datei: 1059682		