



## MYM SERIES RESOLVERS

## MYM-65

### Features:

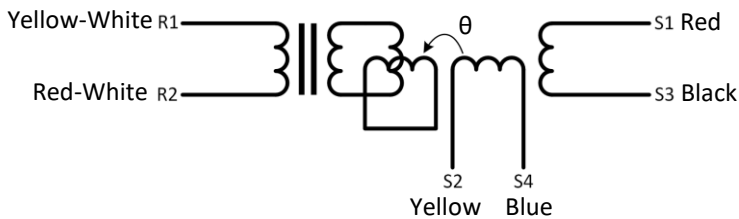
- Hollow shaft ID: 100 mm
- Outer diameter: 165 mm
- Length: 35 mm



### ELECTRICAL DATA

MDS.MYM-65	
Primary Side	R1-R2
Pole pairs	8
Transformation ratio	0.47±10%
Input Voltage	5 Vrms
Input Current	39 mA
Input frequency	10 kHz
Phase shift	-10° ± 2°
Null Voltage	20mVmax
Zro	41.7+132.6j Ω
Zrs	41+131.1j Ω
Zso	441+1970jΩ
Zss	433+1940j Ω
R1-R2 DC resistance	22 Ω ± 10% (@20°C)
Stator DC resistance	225 Ω ± 10% (@20°C)
Accuracy	±5'
Operating temp.	-50°C / +150°C

### SCHEMATIC and TECHNICAL DRAWINGS



**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

