



MYM SERIES RESOLVERS

MYM-55

Features:

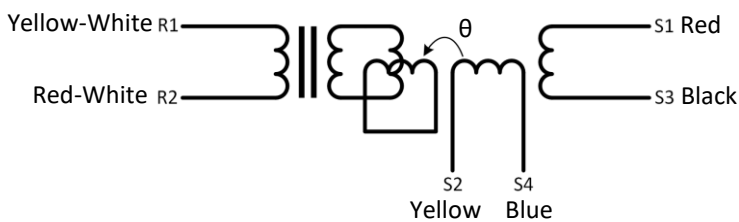
- Hollow shaft ID: 92.7 mm
- Outer diameter: 139.7 mm
- Length: 31.8 mm



ELECTRICAL DATA

MDS.MYM-55	
Primary Side	R1-R2
Pole pairs	8
Transformation ratio	0.5±10%
Input Voltage	5 Vrms
Input Current	33 mA
Input frequency	10 kHz
Phase shift	-4° ± 2°
Null Voltage	20mVmax
Zro	71+120j Ω
Zrs	68+115j Ω
Zso	490+1600jΩ
Zss	480+1550j Ω
R1-R2 DC resistance	48.6 Ω ± 10% (@20°C)
Stator DC resistance	222 Ω ± 10% (@20°C)
Accuracy	±5'
Operating temp.	-50°C / +110°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

