

# MYM-21 Technical Information

## Features

- Hollow shaft ID: 17 mm
- Outer diameter: 52.4 mm
- Length: 31.75 mm

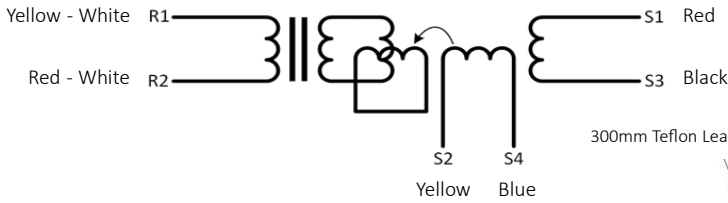


## MYM-21 Electrical Data

MDS.MYM-21

Primary Side	R <sub>1</sub> -R <sub>2</sub>
Pole pairs	1
Transformation ratio	0.5±10%
Input Voltage	4 Vrms
Input Current	26 mA
Input frequency	5 kHz
Phase shift	-8° ± 2°
Null Voltage	30mVmax
Z <sub>ro</sub>	70+160j Ω
Z <sub>rs</sub>	60+150j Ω
Z <sub>so</sub>	185+430j Ω
Z <sub>ss</sub>	160+400j Ω
R1-R2 DC resistance	22.8 Ω ± 10% (@20°C)
Stator DC resistance	63.1 Ω ± 10% (@20°C)
Accuracy	±10'
Operating temp.	-50°C / +155°C

## MYM-21 Schematic and Technical Drawings



Input:  $E(R_1-R_2) = E \sin(\omega t)$

Output:  $E(S_1-S_3) = Tr \times E(R_1-R_2) \cos\theta$   
 $E(S_2-S_4) = Tr \times E(R_1-R_2) \sin\theta$

T<sub>r</sub>: Transformation ratio

