

# Hybrid Stepper Motor NEMA 17 (42 x 42 mm)



## Specification

|                       |                                |
|-----------------------|--------------------------------|
| Step Angle            | 1.8°                           |
| Step Angle Accuracy   | ± 5 %                          |
| Number of Phase       | 2                              |
| Rated Voltage         | 2.8 VDC                        |
| Rated Current         | 1.68 A                         |
| Resistance/Phase      | 1.65 ± 10 % OHMS @ 20 °C       |
| Inductance/Phase      | 3.2 ± 20 % mH @ 1 KHz          |
| Holding Torque        | 3600 g. cm                     |
| Motor Inertia         | 54 g.cm <sup>2</sup>           |
| Weight                | 280 g                          |
| Temperature Rise      | < 80 k                         |
| Source Voltage        | 24 VDC                         |
| Insulation Class      | B 130 °C                       |
| Dielectric Strength   | 500 VAC                        |
| Insulation Resistance | 100 MOhm @ 500 VDC             |
| IP                    | IP30                           |
| Operation Ambient     | -20...50 °C, Humidity Max 85%  |
| Storage Ambient       | -20...85 °C, Humidity Max 85 % |
| Axial-Force           | Fa = 10 N Max                  |
| Distance              | a = 20 mm                      |
| Radial Force          | Fr = 28 N Max                  |
| Shaft Radial Play     | 0.02 mm Max. @4 N              |
| Shaft Axial Play      | 0.08 mm Max. @4 N              |

**Art. Nr.**  
**RND 420-00006**

Drawings

