

## Main Specifications

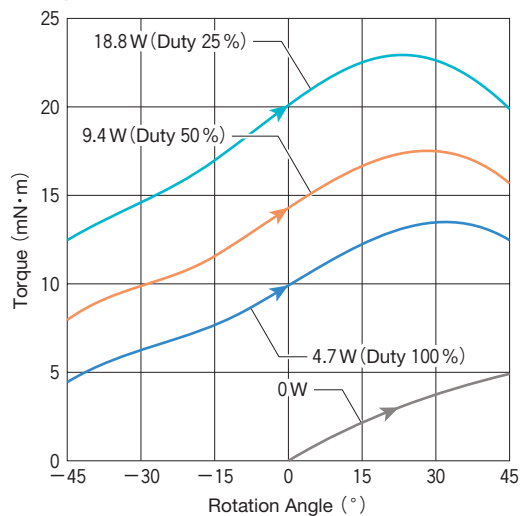
|                                                             |                                                                 |                    |
|-------------------------------------------------------------|-----------------------------------------------------------------|--------------------|
| Model Number                                                | RSR28/17-CAB0-N008                                              | RSR28/17-CAB0-N110 |
| DC Resistance                                               | 8 ( $\Omega$ )                                                  | 110 ( $\Omega$ )   |
| Heat-Resistant Class                                        | Class E (120°C)                                                 |                    |
| Coil Saturation Temperature Rise $\Delta\theta_s$ (at 20°C) | $\Delta\theta_s \div 17 \times W$ (°C)<br>$K \div 17$ (°C/watt) |                    |
| Temperature Rise Time Constant $\tau$                       | 5 (minutes)                                                     |                    |
| Insulation Resistance                                       | 500 V DC MEGA, 100 M $\Omega$ or more                           |                    |
| Dielectric Strength                                         | 1000 V AC, 50/60 Hz, 1 minute                                   |                    |
| Rotor Inertia                                               | 1.8 (g·cm <sup>2</sup> )                                        |                    |
| Mass                                                        | 50 (g)                                                          |                    |

## Coil Data

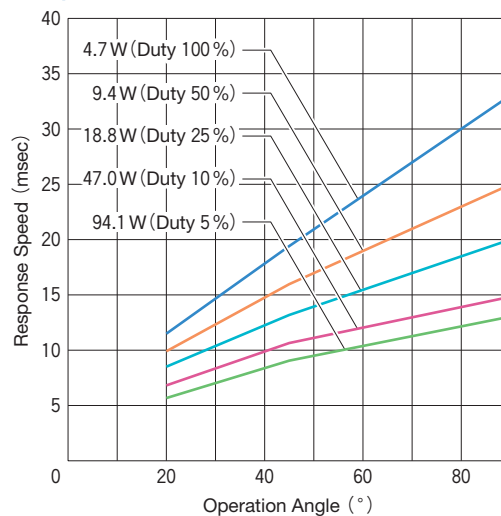
| Duty Cycle                      | 100 %                | 50 %         | 25 % | 10 % | 5 %   |
|---------------------------------|----------------------|--------------|------|------|-------|
|                                 | Continuous           | Intermittent |      |      |       |
| Max. ON Time [sec.]             | $\infty$             | 150.1        | 75.0 | 30.0 | 15.0  |
| Power at 20°C [W]               | 4.7                  | 9.4          | 18.8 | 47.0 | 94.1  |
| Resistance at 20°C [ $\Omega$ ] | Voltage [ $V_{DC}$ ] |              |      |      |       |
| 8.0 (standard)                  | 6.1                  | 8.6          | 12.2 | 19.3 | 27.4  |
| 27.5                            | 11.3                 | 16.0         | 22.7 | 35.9 | 50.8  |
| 53.0                            | 15.7                 | 22.3         | 31.5 | 49.9 | 70.6  |
| 110.0 (standard)                | 22.7                 | 32.1         | 45.4 | 71.9 | 101.7 |



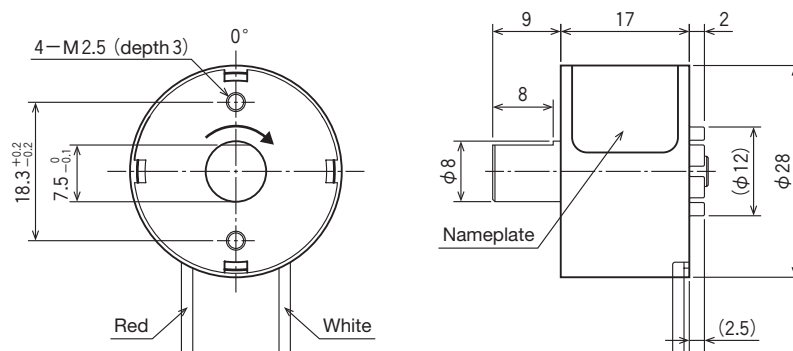
## Torque Data



## Response Data

(Load Inertia : 10.73 g·cm<sup>2</sup>)


## External Dimensions (mm)



## Terminal Specifications

Lead Wire Length (mm) : 300  
AWG Size : 26

The above drawing shows the rotary shaft positioned in the center (0°) of its rotation range. When a positive electrode (+) is connected to the Red lead wire, and a negative electrode (−) to the White lead wire, the shaft rotates clockwise (in the direction shown by the arrow).