

Technical drawing of a mechanical part, showing front, top, and side views with dimensions.

**Front View (Left):** Shows a circular flange with four mounting holes. Dimensions include a hole diameter of  $\phi 8^{-0.03}_{+0}$ , a hole spacing of  $7.0^{-0.1}_{+0}$ , a flange thickness of 2, and a central bore diameter of  $\phi 31$ . The mounting holes are specified as 4-M3x6dp. with a pitch circle diameter (PCD) of  $\phi 31$ . The angle between the mounting holes is 4-90°.

**Top View (Right):** Shows the side profile of the part. Dimensions include a total length of  $L \pm 0.5$ , a central section length of 65.0  $\pm 0.3$ , and a diameter of  $\phi 36 \pm 0.3$ . The mounting holes are specified as  $\phi 22^{-0.2}_{+0}$  with a hole spacing of  $\phi 36^{-0.2}_{+0}$ . The part has a total width of 20.0  $\pm 0.5$  and a mounting hole diameter of  $\phi 3.17$ .

unit:mm

|     |                              |      |      |      |      |      |      |       |       |       |       |       |       |  |  |  |  |  |  |  |
|-----|------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|
|     | 減速比<br>Reduction ratio       | 1/5  | 1/14 | 1/19 | 1/27 | 1/51 | 1/71 | 1/100 | 1/139 | 1/189 | 1/264 | 1/516 | 1/721 |  |  |  |  |  |  |  |
| 12V | 定格扭力<br>Rated torque (Kg-cm) | 1.1  | 2.5  | 3.6  | 5.0  | 8.2  | 11.5 | 16    | 20    | 25    | 25    | 30    | 30    |  |  |  |  |  |  |  |
|     | 定格轉數<br>Rated speed (rpm)    | 1250 | 475  | 340  | 243  | 129  | 92   | 66    | 47.2  | 34.8  | 25.1  | 13.2  | 9.5   |  |  |  |  |  |  |  |
| 24V | 定格扭力<br>Rated torque (Kg-cm) | 1.1  | 2.7  | 3.8  | 5.3  | 8.7  | 12   | 17    | 20    | 25    | 25    | 30    | 30    |  |  |  |  |  |  |  |
|     | 定格轉數<br>Rated speed (rpm)    | 1240 | 470  | 335  | 240  | 127  | 91   | 65    | 46.5  | 34.3  | 24.8  | 13    | 9.4   |  |  |  |  |  |  |  |
|     | 軸心迴轉方向<br>Rotation direction | CCW  |      |      |      |      |      |       |       |       |       |       |       |  |  |  |  |  |  |  |
|     | 長度<br>Length (L)             | 33.1 | 41.8 |      |      | 50.5 |      |       | 59.2  |       |       |       |       |  |  |  |  |  |  |  |

| 定格電壓<br>Rated volt (V) | 定格扭力<br>Rated torque (g·cm) | 定格轉數<br>Rated speed (rpm) | 定格電流<br>Rated current (mA) | 無負荷轉數<br>No load speed (rpm) | 無負荷電流<br>No load current (mA) | 定格出力<br>Rated output (W) | 重量<br>Weight (g) |
|------------------------|-----------------------------|---------------------------|----------------------------|------------------------------|-------------------------------|--------------------------|------------------|
| 12                     | 270                         | 6570                      | ≤ 2050                     | 7500                         | ≤ 300                         | 18.23                    | 222              |
| 24                     | 285                         | 6480                      | ≤ 1050                     | 7500                         | ≤ 210                         | 18.96                    | 224              |

