

无刷直流行星齿轮减速电机(内齿圈材质:金属)

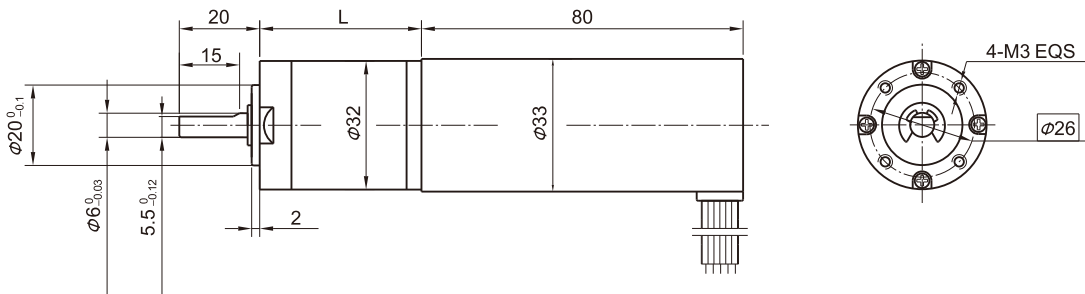
BLDC Planetary Gear Motor (Ring Gear Material: Metal)

**32JXE30K/33ZWN80**

Φ32 行星减速器, 允许转矩范围: 0.3N.m~3.0N.m  
32mm OD Planetary Gearbox,  
Permissible Load Range: 0.3N.m~3.0N.m



● 外形和安装尺寸 Dimensions



● 无刷电动机主要技术参数 Brushless Motor Technical Data

| 电机型号<br>TYPE | 极数<br>Number of poles | 相数<br>Number of phase | 额定电压<br>Rated voltage<br>VDC | 空载转速<br>No-load speed<br>r/min | 额定转速<br>Rated speed<br>r/min | 额定转矩<br>Rated torque<br>mN.m | 额定功率<br>Rated power<br>W | 峰值扭矩<br>Peak torque<br>mN.m | 峰值电流<br>Peak current<br>A | 电阻<br>Line to line resistance<br>ohms | 电感<br>Line to line inductance<br>mH |
|--------------|-----------------------|-----------------------|------------------------------|--------------------------------|------------------------------|------------------------------|--------------------------|-----------------------------|---------------------------|---------------------------------------|-------------------------------------|
| 33ZWN80-2490 | 4                     | 3                     | 24                           | 9000                           | 7800                         | 50                           | 40                       | 350                         | 11                        | 0.86                                  | 0.55                                |

● 无刷行星齿轮减速电机主要技术参数 Brushless Gear Motor Technical Data

配置33ZWN80-2490无刷直流电机 (33ZWN80-2490 BLDC Motor)

| 减速比      | Reduction ratio                       | 3.7   | 5.2  | 14   | 19   | 27   | 51   | 71   | 100  | 139  |
|----------|---------------------------------------|-------|------|------|------|------|------|------|------|------|
| 减速级数     | Number of gear trains                 | 1     | 1    | 2    | 2    | 2    | 3    | 3    | 3    | 3    |
| 减速器长度(L) | Length(L)                             | mm    | 25.7 | 25.7 | 32.8 | 32.8 | 39.7 | 39.7 | 39.7 | 39.7 |
| 空载转速     | No-load speed                         | r/min | 2624 | 1737 | 643  | 474  | 333  | 176  | 127  | 90   |
| 额定转速     | Rated speed                           | r/min | 2101 | 1506 | 557  | 411  | 289  | 153  | 110  | 78   |
| 额定转矩     | Rated torque                          | N.m   | 0.17 | 0.23 | 0.57 | 0.77 | 1.1  | 1.9  | 2.5  | 2.5  |
| 最大瞬间允许负载 | Max. permissible load in a short time | N.m   | 1.0  | 1.0  | 3.5  | 3.5  | 3.5  | 7.5  | 7.5  | 7.5  |

● 接线方式 Wire Diagram

| U          | V        | W          | Vcc         | Ha        | Hb          | Hc         | GND        |
|------------|----------|------------|-------------|-----------|-------------|------------|------------|
| 绿<br>Green | 红<br>Red | 黑<br>Black | 黄<br>Yellow | 蓝<br>Blue | 橙<br>Orange | 棕<br>Brown | 白<br>White |

26AWG UL1007