

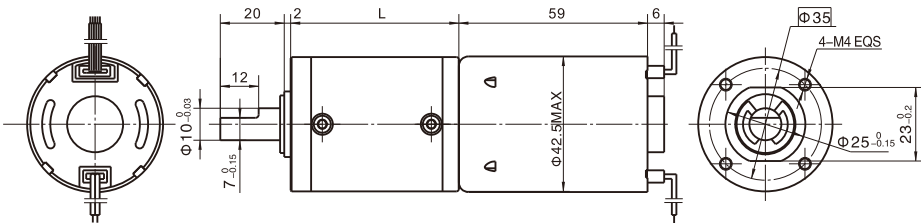
无刷直流行星齿轮减速电机( 内齿圈材质: 金属 )  
BLDC Planetary Gear Motor (Ring Gear Material: Metal)

**42JX150K/42ZWNP59**  $\Phi 42$  行星减速器, 允许转矩范围: 2N.m~15N.m  
42mm OD Planetary Gearbox,  
Permissible Load Range: 2N.m~15N.m

无刷直流电动机, 3相10极, 外置驱动器 3 phase 10 poles brushless DC motor , with external driver



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 | 额定电流<br>Rated current<br>A | 输出功率<br>Output power<br>W |
|---------------|-----------------------|-----------------------|------------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|---------------------------|
| 42ZWNP59-2440 | 10                    | 3                     | 24                           | 4000                           | 3000                         | 68                           | 1.2                        | 21                        |

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

配置42ZWNP59-2440无刷直流电机 (42ZWNP59-2440 BLDC Motor)

|                                                   |                       |       |      |      |      |     |     |     |      |      |
|---------------------------------------------------|-----------------------|-------|------|------|------|-----|-----|-----|------|------|
| 减 速 比                                             | Reduction ratio       | 3.5   | 14   | 21   | 49   | 84  | 104 | 126 | 172  | 294  |
| 减速级数                                              | Number of gear trains | 1     | 2    | 2    | 3    | 3   | 3   | 3   | 4    | 4    |
| 减速器长度(L)                                          | Length(L)             | mm    | 32.5 | 39.2 | 39.2 | 46  | 46  | 46  | 52.5 | 52.5 |
| 空载转速                                              | No-load speed         | r/min | 1143 | 286  | 190  | 82  | 48  | 38  | 32   | 23   |
| 额定转速                                              | Rated speed           | r/min | 857  | 214  | 143  | 61  | 36  | 29  | 24   | 17   |
| 额定转矩                                              | Rated torque          | N.m   | 0.21 | 0.77 | 1.1  | 2.4 | 4.1 | 5.1 | 6.2  | 7.7  |
| 最大瞬间允许负载<br>Max. permissible load in a short time | N.m                   | 3     | 12   | 12   | 25   | 25  | 25  | 25  | 30   | 30   |

接线方式 Wire Diagram

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

26AWG UL1007