



| 机械参数 Mechanical Parameters | 单位 Units | 数值 Values |
|--|-------------|--------------|
| 减速器速比 Reducer Ratio | — | 101 |
| 减速器背隙 Reducer Backlash | arcsec | 10 |
| 转动精度 Rotational Accuracy | arcmin | 1 |
| 平均负载转矩 Average Load Torque | N·m | 61 |
| 启停容许转矩 Start/Stop Allowable Torque | N·m | 102 |
| 最大瞬时转矩 Maximum Instantaneous Torque | N·m | 182 |
| 最大许用弯矩 Maximum Permissible Bending Moment | N·m | 140 |
| 最大瞬时弯矩 Maximum Momentary Bending Moment | N·m | 280 |
| 额定转速 Rated Speed | rpm | 29.7 |
| 最大转速 Maximum Speed | rpm | 39.6 |
| 关节重量 Joint Weight | kg | 2.5 |
| 关节直径 Joint Diameter | mm | 90 |
| 关节长度 Joint Length | mm | 116 |

| 电气参数 Motor Parameters | 单位 Units | 数值 Values |
|---|-------------|---|
| 极对数 Number of Poles | — | 6 |
| 额定功率 Rated Power | W | 282 |
| 额定电压 Rated Voltage | VDC | 48 |
| 额定电流 Rated Current | Arms | 10.9 |
| 额定转速 Rated Speed | rpm | 2700 |
| 额定转矩 Rated Torque | N·m | 1 |
| 转矩常数 Torque constant | N·m/A | 0.092 |
| 线反电动势 Back Electromotive Force Coefficient | Vrms/krpm | 8.2 |
| 抱闸 Brake | — | 24/12VDC电磁摩擦式 24/12VDC electromagnetic friction type |
| 输出端反馈 Output Feedback | — | 17位单圈绝对值 17-bit single-turn absolute value |
| 电机反馈 Motor Feedback | — | UVW霍尔+20000P/R增量编码器 UVW Hall + 20000 P/R Incremental Encoder |
| 通讯接口 Communication Interface | — | EtherCAT/CANopen |

技术说明

1. 紧固螺钉需采用12.9级或以上螺钉并按标准拧紧;
2. 输出法兰可选用轴向或径向两种安装方式;
3. 可选: 输出前端盖可选用RJS II-20前端盖, 方便与RJS II-20模组直接装配;
4. 可选: 嵌入式单维力矩传感器前端盖可选;
5. 可选: 驱动器可与模组分开安装以最大缩短长度, 如有需要请联系我们;
6. 121、161速比可选;
7. 支持OEM客户定制。

Technical Description

1. Fastening screws should use screws of grade 12.9 or higher and be tightened according to the standard.
2. The output flange can be optionally installed axially or radially.
3. Optional: The RJSII-20 front cover can be selected for easy assembly with the RJSII-20 module;
4. Optional: The front cover with an embedded single-axis torque sensor is available.
5. Optional: The drive can be separately installed from the module to minimize length. Please contact us if needed.
6. 121 and 161 gear ratio are optional.



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