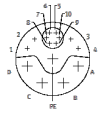
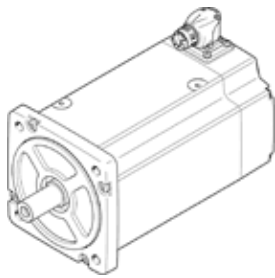


# 伺服馬達 EMMT-AS-150-L-HT-R2M

料號: 8148319

FESTO



## 技術參數

| 特性  | 值   |
|---|---|
| 環境溫度  | -15 ... 40 °C   |
| Note on ambient temperature                               | up to 80°C with derating -1.5%/°C   |
| Max. installation height                                  | 4,000 m   |
| Note on max. installation height                          | As of 1,000 m, only with derating of -1.0% per 100 m  |
| 儲藏溫度  | -20 ... 70 °C   |
| 相對空氣濕度  | 0 - 90 %  |
| 符合標準  | IEC 60034   |
| 根據EN60034-1的熱量等級  | F   |
| Max. winding temperature                                  | 155 °C  |
| 根據EN60034-1的速率等級  | S1  |
| 溫度監控  | Digital motor temperature transmission via EnDat® 2.2   |
| Motor type to EN 60034-7                                  | IM B5<br>IM V1<br>IM V3   |
| 裝配位置  | 任何  |
| 防護等級  | IP21  |
| Note on degree of protection                              | IP21 for motor shaft without rotary shaft seal<br>IP65 motor shaft with RWDR<br>IP67 for motor housing with connection technology |
| Concentricity, coaxiality, axial runout to DIN SPEC 42955 | N   |
| Balance quality   | G 2,5   |
| Detent torque   | <1.0% of peak torque  |
| Storage lifetime under nominal conditions                 | 20,000 h  |
| Interface code, motor out                                 | 150A  |
| Electrical connection 1, connection type                  | Hybrid plugs  |
| Electrical connection 1, connection technology            | M23x1   |
| Electrical connection 1, number of pins/wires             | 15  |
| 污染程度  | 2   |
| 材料備註  | 符合 RoHS   |
| 耐腐蝕等級 CRC   | 0 - No corrosion stress   |
| PWIS conformity   | VDMA24364 zone III  |
| 耐振動   | 符合 EN 60068-2-6   |
| 耐衝擊   | 符合 EN 60068-2-29<br>15 g/11 ms to EN 60068-2-27   |
| 授權  | RCM Mark<br>c UL us - Recognized (OL)   |
| CE 符號 (參見符合的標準)   | 根據 EU-EMV 指導原則<br>根據 EU 低電壓設備指導原則<br>in accordance with EU RoHS directive   |
| UKCA marking (see declaration of conformity)              | To UK instructions for electrical equipment<br>To UK instructions for EMC<br>To UK RoHS instructions                              |
| 認證核發部門  | UL E342973  |
| 額定工作電壓 DC   | 680 V   |
| Type of winding switch                                    | Star inside   |
| Number of pole pairs                                      | 5   |

| 特性  | 值                                |
|---|----------------------------------|
| 靜止扭矩  | 44 Nm                            |
| 額定扭矩  | 39.7 Nm                          |
| 峰值 (最大) 扭矩  | 86 Nm                            |
| 額定擺動速度  | 1,000 1/min                      |
| 最高速度  | 1,812 1/min                      |
| Max. mechanical speed                                       | 8,000 1/min                      |
| 額定馬達功率  | 4,157 W                          |
| 連續的開路電流   | 11.4 A                           |
| 額定馬達電流  | 10.3 A                           |
| 峰值 (最大) 電流  | 24 A                             |
| 馬達恆定  | 3.85 Nm/A                        |
| Standstill torque constant                                  | 4.38 Nm/A                        |
| Voltage constant, phase-to-phase                            | 264.9 mV/min                     |
| Phase-phase winding resistance                              | 1.016 Ohm                        |
| Phase-phase winding inductance                              | 15.7 mH                          |
| Winding longitudinal inductivity Ld (phase)                 | 7.95 mH                          |
| Winding cross inductivity Lq (phase)                        | 7.85 mH                          |
| Electric time constant                                      | 15.6 ms                          |
| Thermal time constant                                       | 55 min                           |
| Thermal resistance  | 0.42 K/W                         |
| Measuring flange  | 450 x 450 x 30, steel            |
| 斷電時轉動慣量總和   | 57.6 kgcm <sup>2</sup>           |
| 產品重量  | 25,400 g                         |
| 容許的軸向驅動軸負載  | 346 N                            |
| 容許的徑向軸負載  | 1,730 N                          |
| 轉子位置感測器   | Absolute multi-turn encoder      |
| Rotor position sensor, manufacturer designation             | EQI 1331                         |
| Rotor position sensor, absolute detectable revolutions      | 4,096                            |
| Rotary position encoder interface                           | EnDat 22                         |
| Rotary position encoder measuring principle                 | 電感式                              |
| Rotor position sensor, DC operating voltage                 | 5 V                              |
| Rotor position sensor, DC operating voltage range           | 3.6 ... 14 V                     |
| Rotor position sensor, position values per revolution       | 524,288                          |
| 轉子位置編碼器起動裝置   | 19 Bit                           |
| Rotor position sensor, system accuracy of angle measurement | -65 ... 65 arcsec                |
| MTTF, subcomponent  | 190 years, rotor position sensor |
| Energy efficiency   | ENEFF (CN) / Class 1             |