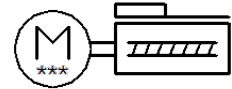
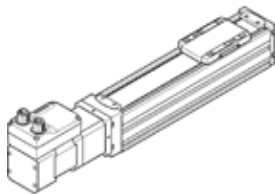


spindle axis unit ELGS-BS-KF-45-300-10P-ST-M-H1-PLK-AA

料號: 8083472

FESTO



技術參數

| 特性 | 值 |
|---|---|
| 工作行程 | 300 mm |
| 尺寸 | 45 |
| 備用行程 | 0 mm |
| 螺桿直徑 | 10 mm |
| 螺桿螺距 | 10 mm/U |
| 裝配位置 | 任何 |
| 導向 | 迴圈滾珠軸承導向 |
| 設計結構 | 機電式直線軸 具迴圈滾珠軸承螺桿 With integrated drive |
| 馬達類型 | 步進馬達 |
| 螺桿類型 | Ball screw |
| 位置檢測 | Motor encoder 用於近接感測器 |
| 參考 | 正固定擋塊 負固定擋塊 |
| 轉子位置感測器 | Absolute single turn encoder |
| Rotary position encoder measuring principle | 磁鐵 |
| 溫度監控 | 在溫度超載時關機 Integrated precise CMOS temperature sensor with analogue output |
| 附加功能 | User interface Integrated end-position sensing |
| 顯示 | LED |
| 預備狀態顯示 | LED |
| 最大加速度 | 5 m/s ² |
| 最高速度 | 0.25 m/s |
| 重複精度 | ±0,015 mm |
| 數位邏輯輸出特性 | 可配置 非電絕緣 |
| 循環功率 | 100 % |
| 絕緣保護等級 | B |
| 最大電流, 數位邏輯輸出 | 100 mA |
| 最大電流消耗 | 3 A |
| 額定電壓 DC | 24 V |
| 額定電流 | 3 A |
| 參數配置接口 | IO-Link User interface |
| 轉子位置編碼器起動裝置 | 16 Bit |
| 容許的電壓波動 | +/- 15 % |
| Power supply, type of connection | 插頭 |
| Power supply, connection technology | M12x1, T-coded to EN 61076-2-111 |
| Power supply, number of pins/wires | 4 |
| 授權 | RCM Mark |
| KC mark | KC-EMV |
| CE 符號 (參見符合的標準) | 根據 EU-EMV 指導原則 in accordance with EU RoHS directive |

| 特性 | 值 |
|--|--|
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| 耐振動 | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 |
| 耐衝擊 | Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 |
| PWIS conformity | VDMA24364 zone III |
| 儲藏溫度 | -20 ... 60 °C |
| 相對空氣濕度 | 0 - 90 % |
| 防護等級 | IP40 |
| 安全等級 | III |
| 環境溫度 | 0 ... 50 °C |
| Note on ambient temperature | Above an ambient temperature of 30 °C, the power must be reduced by 2% per K. |
| 轉動面積矩 2nd 度ly | 140E+03 mm ⁴ |
| 轉動面積矩 2nd 度lz | 170E+03 mm ⁴ |
| 最大輸出力Fy | 300 N |
| 最大輸出力Fz | 600 N |
| Fy with theoretical service life of 100 km (from a guide perspective only) | 1,104 N |
| Fz with theoretical service life of 100 km (from a guide perspective only) | 2,208 N |
| 最大扭矩Mx | 5.5 Nm |
| 最大扭矩My | 4.7 Nm |
| 最大扭矩Mz | 4.7 Nm |
| Mx with theoretical service life of 100 km (from a guide perspective only) | 20 Nm |
| My with theoretical service life of 100 km (from a guide perspective only) | 17 Nm |
| Mz with theoretical service life of 100 km (from a guide perspective only) | 17 Nm |
| 最大進給力 Fx | 100 N |
| 工作負載參考值, 水平 | 10 kg |
| 工作負載參考值, 垂直 | 5 kg |
| 質量慣性扭矩 | 8.5E+03 mm ⁴ |
| 恆定進給 | 10 mm/U |
| 運動質量 | 220 g |
| 產品重量 | 2,434 g |
| Dynamic deflection (load moved) | 0.05% of the axis length, max. 0.5 mm |
| Static deflection (load at standstill) | 0.1% of the axis length |
| 24V DC時數位邏輯輸出的數量 | 2 |
| 數位邏輯輸入的數量 | 2 |
| 規格, 邏輯輸入 | Based on IEC 61131-2, type 1 |
| 邏輯輸入工作範圍 | 24 V |
| IO-Link, SIO mode support | 是 |
| 邏輯輸入特性 | 可配置 非電絕緣 |
| IO-Link, protocol | Device V 1.1 |
| IO-Link, 通訊模式 | COM3 (230.4 kbd) |
| IO-Link, 接口類型 | A |
| IO-Link, 接口數 | 1 |
| IO-Link, process data width OUT | 2 Byte |
| IO-Link, process data content OUT | 1 bit (Move in) 1 bit (Move out) 1 bit (Quit Error) |
| IO-Link, process data width IN | 2 Byte |
| IO-Link, process data content IN | 1 bit (State Device) 1 bit (State Move) 1 bit (State in) 1 bit (State out) |
| IO-Link, Service data contents IN | 32 bit Force |

| 特性 | 值 |
|--|--|
| | 32 bit Position 32 bit Speed |
| IO-Link, 最小周期時間 | 1 ms |
| IO-Link, data memory required | 0.5 Kilobyte |
| 最大行列長度 | 15 m outputs 15 m inputs 20 m with IO-Link operation |
| 邏輯開關, 輸出 | PNP (正向切換) |
| 邏輯輸入電路 | PNP (正向切換) |
| IO-Link, 連接技術 | 插頭 |
| Logic interface, connection type | 插頭 |
| Logic interface, connection technology | M12x1, A-coded in accordance with EN 61076-2-101 |
| Logic interface, number of poles/wires | 8 |
| Logic interface, connection pattern | 00992264 |
| Material of end caps | Die-cast aluminium, painted |
| Material of profile | Anodised wrought aluminium alloy |
| 材料備註 | 符合 RoHS |
| Material cover tape | 高合金鋼, 耐腐蝕 |
| Material drive cover | Die-cast aluminium, painted |
| Material guide slide | 鋼 |
| Material guide rail | 鋼 |
| Material slide | 壓鑄鋁 |
| Material spindle nut | 鋼 |
| Material spindle | 鋼 |