

spindle axis unit ELGS-BS-KF-45-500-10P-ST-M-H1-PLK-AA

料號: 8083474

FESTO



技術參數

特性	值
工作行程	500 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	3,154 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