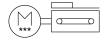
Toothed belt axis unit ELGS-TB-KF-60-500-ST-M-H1-PLK-AA

FESTO

Part number: 8083572





Data sheet

Feature	Value
Effective diameter of drive pinion	24.83 mm
Working stroke	500 mm
Size	60
Stroke reserve	0 mm
Toothed-belt stretch	0.124 %
Toothed-belt pitch	3 mm
Mounting position	Horizontal
Guide	Recirculating ball bearing guide
Design	Electromechanical linear axis With toothed belt With integrated drive
Position detection	Motor encoder Via proximity switch
Rotor position sensor	Absolute single-turn encoder
Rotor position sensor, encoder measuring principle	Magnetic
Temperature monitoring	Switch-off for excessive temperature Integrated precise CMOS temperature sensor with analogue output
Additional functions	User interface Integrated end-position sensing
Display	LED
Max. acceleration	6 m/s ²
Max. speed	1.3 m/s
Repetition accuracy	±0.1 mm
Features of digital logic outputs	Configurable Not galvanically isolated
Duty cycle	100%
Insulation protection class	В
Max. current digital logic outputs	100 mA
Max. current consumption	5,3 A
Nominal voltage DC	24 V
Nominal current	5.3 A
Parameterisation interface	IO-Link User interface

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nd EN 60068-2-27
emperatures above
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Feature	Value
Logic interface, number of pins/wires	8
Material end cap	Painted die cast aluminium
Material profile	Anodised wrought aluminium alloy
Note on materials	RoHS-compliant
Material cover tape	Stainless steel strip
Material drive cover	Painted die cast aluminium
Material guide slide	Tempered steel
Material guide rail	Tempered steel
Material pulleys	High-alloy stainless steel
Material toothed belt	Polychloroprene with glass fibre