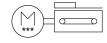
Toothed belt axis unit ELGS-TB-KF-45-1500-ST-M-H1-PLK-AA

FESTO

Part number: 8083672





Data sheet

Feature	Value
Drive pinion effective diameter	19.1 mm
Working stroke	1500 mm
Size	45
Stroke reserve	0 mm
Toothed belt elongation	0.187 %
Toothed belt pitch	2 mm
Mounting position	Horizontal
Guide	Recirculating ball bearing guide
Structural design	Electromechanical linear axis with toothed belt With integrated drive
Position sensing	Motor encoder For proximity sensor
Rotor position sensor	Absolute encoder, single-turn
Rotor position sensor measuring principle	Magnetic
Temperature monitoring	Shutdown in the event of over 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	1.2 m/s
Repetition accuracy	±0.1 mm
Characteristics of digital logic outputs	Configurable Not galvanically isolated
Duty cycle	100%
Insulation protection class	В
Max. current of digital logic outputs	100 mA
Max. current consumption	5,3 A
DC nominal voltage	24 V
Nominal current	5.3 A
Parameterization interface	IO-Link® User interface

Power supply, type of connection Pug M12x1, T-coded as per FN 61076-2-111	Feature	Value
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Logic interface, connection technology M12x1, A-coded as per EN 61076-2-101	Logic interface, connection type	Plug
	Logic interface, connection technology	M12x1, A-coded as per EN 61076-2-101

Feature	Value
Logic interface, number of poles/wires	8
Material of end caps	Die cast aluminum, painted
Profile material	Wrought aluminum alloy, anodized
Note on materials	RoHS-compliant
Cover strip material	Stainless steel strip
Drive cover material	Die cast aluminum, painted
Slide carriage material	Tempered steel
Guide rail material	Tempered steel
Belt pulley material	High-alloy stainless steel
Toothed belt material	Polychloroprene with glass fiber