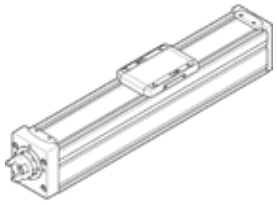
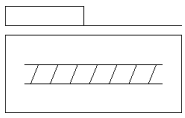
Osa vretena
ELGC-BS-KF-32-300-8P

Broj artikla: 8061479

FESTO





Tehnički podaci

Svojstvo	Vrednost
Radni hod	300 mm
Veličina	32
Rezerva hoda	0 mm
Reverzibilni zazor	0,15 mm
Prečnik vretena	8 mm
Uspon vretena	8 mm/U
Položaj ugradnje	proizvoljno
Vođica	Kugličnо vođenje
Konstruktivna struktura	Elektromehanička linearna osovina s kugličnim vretenom
Vrsta motora	Koračni motor Servomotor
Vreteno-tip	Ball screw
Prepoznavanje pozicije	za beskontaktni prekidač za induktivne senzore
Maks. ubrzanje	15 m/s2
Maks. brzina obrtanja	4.500 1/min
Maks. brzina	0,6 m/s
Tačnost ponavljanja	±0,015 mm
Trajanje uključenosti	100 %
PWIS conformity	VDMA24364 zone III
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 7
Mehanička zaštita	IP40
Temperatura okoline	0 ... 50 °C
Energija naleta u krajnjim položajima	0,25 mJ
Note on the impact energy it the end positions	At maximum homing speed of 0.01 m/s
Moment inercije 2. stepena Iy	38E+03 mm4
Moment inercije 2. stepena Iz	45E+03 mm4
No-load torque at maximum travel speed	0,04 Nm
No-load torque at minimum travel speed	0,02 Nm
Maks. sila Fy	150 N
Maks. sila Fz	300 N
Fy for the guide calculation for a service life of 5000 km or 5 million cycles	356 N
Fz for the guide calculation for a service life of 5000 km or 5 million cycles	356 N
Fy with theoretical service life of 100 km (from a guide perspective only)	1.310 N
Fz with theoretical service life of 100 km (from a guide perspective only)	1.310 N
Maks. moment Mx	1,3 Nm
Maks. moment My	1,1 Nm
Maks. moment Mz	1,1 Nm
Mx for the guide calculation for a service life of 5000 km or 5 million cycles	1,3 Nm
My for the guide calculation for a service life of 5000 km or 5 million cycles	1,1 Nm
Mz for the guide calculation for a service life of 5000 km or 5 million cycles	1,1 Nm
Mx with theoretical service life of 100 km (from a guide perspective only	5 Nm
My with theoretical service life of 100 km (from a guide perspective only)	4 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	4 Nm

Svojstvo	Vrednost
Distance between the slide surface and the centre of the guide	31,4 mm
Maks. radijalna sila na pogonskom vretenu	75 N
Maks. Ulazna sila Fx	40 N
Obrtni moment inercije It	1,7E+03 mm4
Moment inercije, JH po metru hoda	0,02218 kgcm2
Moment inercije, JL po kg korisnog tereta	0,016211 kgcm2
Moment inercije JO	0,00274 kgcm2
Konstanta posmaka	8 mm/U
Interval održavanja	Trajno podmazivanje
Pokretna masa	83,4 g
Dodatna težine po 10 mm hoda	18 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
Interface code, actuator	V25
Material of end caps	Die-cast aluminium, painted
Material of profile	Anodised wrought aluminium alloy
Materijal - napomena	RoHS komfornost
Material cover tape	visokolegirani čelik, nerđajući
Material drive cover	Die-cast aluminium, painted
Material guide slide	Čelik
Material guide rail	Čelik
Material slide	Aluminijumski odlivak
Material spindle nut	Čelik
Material spindle	Čelik