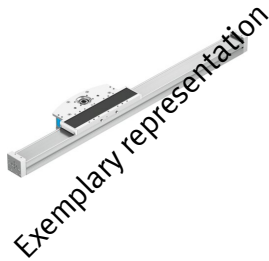


Cantilever linear actuator ELCC-TB-KF-60- -

Part number: 8060571

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Drive pinion effective diameter	30.558 mm
Working stroke	50 mm ... 1300 mm
Size	60
Stroke reserve	0 mm ... 1300 mm
Toothed belt pitch	3 mm
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Electromechanical cantilever axis
Symbol	00991210
Max. acceleration	50 m/s ²
Max. speed	5 m/s
Repetition accuracy	±0.05 mm
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Degree of protection	IP20
Ambient temperature	-10 °C ... 60 °C
2nd moment of area Iy	240600 mm ⁴
2nd moment of area Iz	304210 mm ⁴
Max. driving torque	5.2 Nm
Max. force Fy	4216 N
Max. force Fz	4119 N
Max. torque Mx	36 Nm
Max. torque My	293 Nm
Max. torque Mz	288 Nm
Max. feed force Fx	300 N
Mass moment of inertia JH per meter of stroke	8.9 kgcm ²
Mass moment of inertia JL per kg of payload	2.3 kgcm ²
Mass moment of inertia JO	5.9 kgcm ²
Feed constant	96 mm/U
Reference service life	5000 km
Lubrication interval, distance dependent	1000 km
Moved mass at 0 mm stroke with second drive head	2738 g
Moving mass at 0 mm stroke	1636 g
Additional moving mass per 10 mm stroke	38 g
Additional slide weight	805 g

Feature	Value
Basic weight with 0 mm stroke	4146 g
Additional weight per 10 mm stroke	38 g
Basic weight at 0 mm stroke with second drive head	6053 g
Material of end caps	Wrought aluminum alloy, anodized
Profile material	Wrought aluminum alloy, anodized
Note on materials	RoHS-compliant
Drive head material	Wrought aluminum alloy, anodized
Guide rail material	Rolled steel, Corrotect coated
Housing material	High-alloy stainless steel
Slide material	Cast aluminum, anodized
Toothed belt clamping component material	Wrought aluminum alloy, anodized
Toothed belt material	Polychloroprene with glass cord and nylon coating Polyurethane with steel cord and textile coating Polyurethane with steel cord