

BRAKES

Spring Applied Brake - Servo Line

KS 10016A00-0001

The spring-applied brake of the Servo Line series was developed for integrated installation in servo motors. The holding brake with emergency stop function of the Servo Line is designed for both, A-side and B-side integrated installation in servo drives for dry running.



Features

- Rated air gap tolerance is reduced to a few hundredths of a millimeter, providing enhanced power density
- Toothed hub-friction disc connection with minimal backlash
- Standard version suitable for flange mounting and face mounting
- Guaranteed minimum torque over life-time

DESCRIPTION	VALUE
Brake size	16
Torque	80 Nm
Torque definition	M4 (static)
Operation mode	Holding Brake
Nominal voltage	24 V
Nominal power	37.6 W
Max. switching energy per ES	5000 J
Number of emergency stops	500
Total work	2500 kJ
Temperature range	-15...120°C
Max. rotation speed	3500 min ⁻¹
E-Stop rotation speed	1500 min ⁻¹
Backlash	< 1°
Thermal class	F
IP Protection class	IP00
Weight	6.9 kg
Brake type	KS 100
Armature type	-
Hub type	Long
Hand release	-
Counter friction part	Flange
PWM control	possible
Outer diameter	164 mm
Inner diameter	50 mm
Length	61.3 mm
Hub diameter	45.5 mm
Keyway	-
Pitch circle front side	120 mm
Pitch circle flange side	151 mm

Product Line

Servo Line

CONTACT

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PRODUCT

<https://www.kendrion.com/en/productfinder/group/product/brakes/ks-10016a00-0001>