

BRAKES

Spring Applied Brake - Servo Slim Line

SL 50012A00-0001



The Servo Slim Line spring-applied brake was designed primarily for applications with hollow shafts and small installation spaces. The "slim" single-disc brakes are flatter and lighter than the market standard in relation to their power density. Their large inner diameter makes them perfect for hollow shaft drives where the cables are routed inside through the joint or for applications where only minimal installation space is available, such as in automated guided vehicles (AGVs) or in medical technology.

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 - Flexible cable routing
- Fast opening and closing times
- Low inertia and weight

DESCRIPTION	VALUE
Brake size	12
Torque	10 Nm
Torque definition	M4 (static)
Operation mode	Holding Brake
Nominal voltage	24 V
Nominal power	25 W
Max. switching energy per ES	1150 J
Number of emergency stops	200
Total work	230 kJ
Temperature range	-10...100°C
Max. rotation speed	6000 min ⁻¹
E-Stop rotation speed	3000 min ⁻¹
Backlash	< 1°
Thermal class	F
IP Protection class	IP00
Weight	- kg
Brake type	SL 500
Armature type	-
Hub type	Large
Hand release	-
Counter friction part	Flange
PWM control	possible
Outer diameter	127 mm
Inner diameter	63 mm
Length	29.3 mm
Hub diameter	55 mm
Keyway	-
Pitch circle front side	116 mm
Pitch circle flange side	116 mm

Product Line

Servo Slim Line

CONTACT

Sales Team Kendrion Villingen

+49 (0) 7721 877-1417

sales-villingen-ib@kendrion.com

PRODUCT

<https://www.kendrion.com/en/productfinder/group/product/brakes/sl-50012a00-0001>