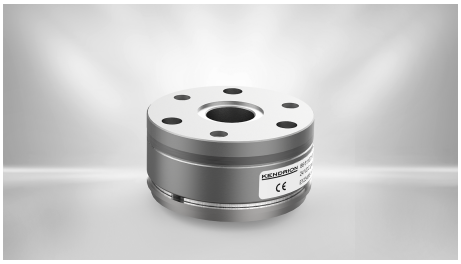
BRAKES

Permanent Magnet Brake - PM Line



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The PM Line is a permanent magnet brake for direct current in which the braking effect is generated by a permanent magnetic field (system opened by electro-magnetic force). The brake thus acts in currentless state when switched off. To neutralize the braking effect, the permanent magnetic field is displaced by an opposing electromagnetic field. These brakes are particularly suitable for applications in the field of servomotors as holding brakes with emergency stop function.

Features

- Safe, residual torque-free opening in any mounting position
- Backlash-free transmission of the braking torque

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DESCRIPTION	VALUE
Brake size	16
Torque	120 Nm
Torque definition	M4 (static)
Operation mode	Holding Brake
Nominal voltage	24 V
Nominal power	35 W
Max. switching energy per ES	1550 J
Number of emergency stops	500
Total work	775 kJ
Temperature range	-5°C...120°C
Max. rotation speed (depending on max. switching work during emergency stop)	8000 min-1
E-Stop rotation speed	3000 min-1
Backlash	0°
Thermal class	F
IP Protection class	IP00
Weight	6.0 kg
Brake type	611
Armature type	800
Hub type	-
Hand release	-
Counter friction part	-
PWM control	possible
Outer diameter	160 mm
Inner diameter	80 mm
Lenght	60.5 mm
Hub diameter	40.2 mm
Keyway	yes
Pitch circle front side	120 mm
Product Line	PM Line

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PRODUCT

https://www.kendrion.com/en/productfinder/group/product/brakes/86-61116h00-0013

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