

BRAKES

Permanent Magnet Brake - PM Line

86 61106H00-0053

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

DESCRIPTION	VALUE
Brake size	06
Torque	3.2 Nm
Torque definition	M4 (static)
Operation mode	Holding Brake
Nominal voltage	24 V
Nominal power	12 W
Max. switching energy per ES	350 J
Number of emergency stops	500
Total work	175 kJ
Temperature range	-5°C...120°C
Max. rotation speed	10000 min ⁻¹
E-Stop rotation speed	3000 min ⁻¹
Backlash	0°
Thermal class	F
IP Protection class	IP00
Weight	0.3 kg
Brake type	611
Armature type	400
Hub type	-
Hand release	-
Counter friction part	-
PWM control	possible
Outer diameter	56 mm
Inner diameter	24 mm
Lenght	29.5 mm
Hub diameter	15 mm
Keyway	yes
Pitch circle front side	48 mm
Product Line	PM Line

CONTACT

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PRODUCT

<https://www.kendrion.com/en/productfinder/group/product/brakes/86-61106h00-0053>