

## BRAKES

# Permanent Magnet Brake - PM Line

86 62116H00-0011

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	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	8000 min <sup>-1</sup>
E-Stop rotation speed	3000 min <sup>-1</sup>
Backlash	0°
Thermal class	F
IP Protection class	IP00
Weight	6.0 kg
Brake type	621
Armature type	200
Hub type	-
Hand release	-
Counter friction part	-
PWM control	possible
Outer diameter	190 mm
Inner diameter	80 mm
Length	50.5 mm
Keyway	-
Pitch circle flange side	175 mm
Product Line	PM Line

## **CONTACT**

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## **PRODUCT**

<https://www.kendrion.com/en/productfinder/group/product/brakes/86-62116h00-0011>