

## BRAKES

# Permanent Magnet Brake - PM Line

86 62111H00-0030

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	11
Torque	40 Nm
Torque definition	M4 (static)
Operation mode	Holding Brake
Nominal voltage	24 V
Nominal power	20.2 W
Max. switching energy per ES	850 J
Number of emergency stops	500
Total work	425 kJ
Temperature range	-5°C...120°C
Max. rotation speed	10000 min <sup>-1</sup>
E-Stop rotation speed	3000 min <sup>-1</sup>
Backlash	0°
Thermal class	F
IP Protection class	IP00
Weight	1.4 kg
Brake type	621
Armature type	200
Hub type	-
Hand release	-
Counter friction part	-
PWM control	possible
Outer diameter	132 mm
Inner diameter	50 mm
Length	36 mm
Keyway	-
Pitch circle flange side	121 mm
Product Line	PM Line

## **CONTACT**

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## **PRODUCT**

<https://www.kendrion.com/en/productfinder/group/product/brakes/86-62111h00-0030>