

## BRAKES

# Permanent magnet brake - High Torque Line

86 61121P00-0001

The permanent magnet brake High Torque Line stands for higher torque in the same installation space and with the same electrical power compared to a PM Line. Due to a new patented arrangement of the poles and the permanent magnets, the magnetic flux is ideally routed and generates enormous advantages



### Features

- Higher torque with comparable size and power consumption
- Significantly extended operating temperature range in terms of operating voltage and torque from -15°C to +120°C and optionally down to -40°C possible (CCV)

DESCRIPTION	VALUE
Brake size	21
Torque	280 Nm
Torque definition	M4 (static)
Operation mode	Holding Brake
Nominal voltage	24 V
Nominal power	41.8 W
Max. switching energy per ES	10000 J
Number of emergency stops	500
Total work	5000 kJ
Temperature range	-15°C...120°C
Max. rotation speed	6000 min <sup>-1</sup>

<b>E-Stop rotation speed</b>	3000 min-1
<b>Backlash</b>	0°
<b>Thermal class</b>	F
<b>IP Protection class</b>	IP00
<b>Brake type</b>	P00
<b>Armature type</b>	800
<b>Hub type</b>	-
<b>Hand release</b>	-
<b>Counter friction part</b>	-
<b>PWM control</b>	possible
<b>Outer diameter</b>	205 mm
<b>Inner diameter</b>	91 mm
<b>Lenght</b>	80.8 mm
<b>Hub diameter</b>	48 mm
<b>Keyway</b>	-
<b>Pitch circle front side</b>	167 mm
<b>Product Line</b>	High Torque Line

## CONTACT

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## PRODUCT

<https://www.kendrion.com/en/productfinder/group/product/brakes/86-61121p00-0001>