ELECTROMAGNETIC SINGLE-SURFACE BRAKE

86 111..E00
86 121..E00
Our company’s strength is measured by the delivery of products, performances, as well as a high degree of esteem towards our customers. KENDRION POWER TRANSMISSION is striving to develop a long-term relationship with its customers and to cultivate this relationship under the motto "Power of Partnership". Ambitious aims can only be realised through a close and productive co-operation with our customers.

The development of high-quality standard products as well as optimised tailor made solutions is the foundation of all our actions.

Power of Partnership stands for a co-operation with the Kendrion employees without bureau-cracy, ensuring a long and successful partnership with our customers.

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**Top Market Knowledge...**

The realisation of market orientated products are the results of our competence in electromagnetism which has been achieved with decades of experience and knowledge. The development of most innovative concepts and the use of the most modern technologies in our research department together with the use of the latest production and logistic processes are our strengths.

Our customers profit from the individual solutions for high volume as well as the availability of individual products on the basis of a standard platform.

Our know-how is growing steadily hand in hand with the constant optimisation of every business process.

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**Optimal tailor made solutions...**

are not empty promises. The profound understanding of the Power of Magnetism at KENDRION POWER TRANSMISSION is the source of the research/development of market orientated products. Continuous expansion of the technological possibilities enables us to be in the position to offer optimal solutions of brakes and clutches for numerous applications.

We lay great emphasis on being able to offer solutions for different applications such as:

... SECURING
... STOPPING
... POSITIONING
... ACCELERATING.

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**Important synergies as a basis for success...**

KENDRION POWER TRANSMISSION is a European company with a local presence in all economic regions of the world. Integrated in and yielding performance to the Kendrion Holding N.V., which is noted on the Amsterdam stock exchange, as a successful company with an annual turnover of 1.8 billion EUR; and approx. 5500 employees all over the world.

This is an excellent basis to realise, secure and enable our long-term goals and company objectives. A network of connected companies within Kendrion is another valuable factor for the success of KENDRION POWER TRANSMISSION. We live the "Power of Partnership" in a firm exchange of expertise and business relationship within these companies.

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Kendrion Power Transmission protects people and the environment...
The ACTIVE BRAKE LINE is comprised of DC operated single-disc brakes where the dynamic effect of an electromagnetic field is used to generate the braking effect (electromagnetically engaged brakes). ACTIVE BRAKE LINE products ensure a reliable brake release with zero residual torque in any mounting position and zero backlash during torque transmission. These brakes require little maintenance throughout their entire service span.

Applications
- Automotive technology
- Equipment manufacturing industry
- Handling technology
- Building installations
- Medical technology
- Packaging machinery
- ...
ELECTROMAGNETIC SINGLE-SURFACE BRAKE
DC

Version
86 111..E00 - front mounting

Standard rated voltages
24 V DC

Protection
IP 00

Thermal class
F

Rated torques
1 - 150 Nm

Technical data

---|---|---|---|---|---|---|---|---|---
04 | 1 | 12000 | 100 | 1.6 | 8 | 15 | 16 | 0.05 | 0.15
06 | 2.2 | 10000 | 160 | 2.5 | 10 | 15 | 18 | 0.22 | 0.35
07 | 5 | 8000 | 250 | 6 | 12 | 25 | 25 | 0.65 | 0.65
09 | 11 | 6000 | 350 | 11 | 17 | 45 | 38 | 2.1 | 1.15
11 | 21 | 4800 | 500 | 30 | 22 | 70 | 40 | 5.7 | 2
14 | 60 | 3600 | 700 | 53 | 35 | 110 | 65 | 20 | 4
17 | 80 | 3000 | 1000 | 80 | 40 | 110 | 70 | 48 | 7.4
21 | 150 | 2500 | 1300 | 110 | 45 | 150 | 90 | 97 | 11

The service life values (Wtel) specified in the table apply if the brake is adjusted twice.

Ordering data (to be fully specified)

ELECTROMAGNETIC SINGLE-SURFACE BRAKE
Please specify requested version

Size (04, 06, 07, 09, 11, 14, 17, 21)
Size: ______

Bore diameter (standard)
Size 04: Ø 6, Ø 8 mm
Size 06: Ø 6, Ø 8, Ø 10 mm
Size 07: Ø 10, Ø 12, Ø 15, Ø 20 mm
Size 09: Ø 12, Ø 15, Ø 20, Ø 25 mm
Size 11: Ø 15, Ø 20, Ø 25, Ø 30 mm
Size 14: Ø 20, Ø 25, Ø 30, Ø 40 mm
Size 17: Ø 25, Ø 30, Ø 35, Ø 45, Ø 65 mm
Size 21: Ø 30, Ø 40, Ø 65, Ø 70, Ø 80 mm

Bore diameter: ______ mm

Coil voltage (standard 24 V)
Voltage: ______ V DC

■ with keyway
■ without keyway
(DIN 6885, sheet 1, P9)
### Dimensions (mm)

#### Binder Clutches & Brakes

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<tr>
<th>Size</th>
<th>d</th>
<th>d₁(h7)</th>
<th>d₂</th>
<th>d₃(h7)</th>
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<td>6xM8 / 8 deep</td>
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1) Min. bore.
2) Max. bore.

---

1) Min. bore.
2) Max. bore.
**ACTIVE BRAKE LINE**

**ELECTROMAGNETIC SINGLE-DISC BRAKE**

DC

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<th>Version</th>
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<td>Rated torques</td>
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Specification subject to change without notice. The "General technical information" and the "Operating instructions" 86 121..E00 must be strictly observed.

**Technical data**

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</table>

The service life values (Wtot) specified in the table apply if the brake is adjusted twice.

**Ordering data (to be fully specified)**

**ELECTROMAGNETIC SINGLE-SURFACE BRAKE**

Please specify requested version

1. Size (04, 06, 07, 09, 11, 14)
2. Coil voltage (standard 24 V)
   - Voltage: _____ V DC
3. Bore diameter (standard)
   - Size 04: Ø 6, Ø 8 mm
   - Size 06: Ø 6, Ø 8, Ø 10 mm
   - Size 07: Ø 10, Ø 12, Ø 15, Ø 20 mm
   - Size 09: Ø 12, Ø 15, Ø 20, Ø 25 mm
   - Size 11: Ø 15, Ø 20, Ø 25, Ø 30 mm
   - Size 14: Ø 20, Ø 25, Ø 30, Ø 40 mm

Bore diameter: _____ mm
   - with keyway (DIN 6885, sheet 1, P9)
   - without keyway
Dimensions (mm)

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</table>

1) Min. bore.
2) Max. bore.
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POWER OF PARTNERSHIP AND MAGNETISM