

KENDRION

KENDRION SOLUTIONS

Electronic modules and rectifiers
for the control of industrial brakes

PRECISION. SAFETY. MOTION.

Our brakes, electronic modules and rectifiers – perfect for your safe application

KENDRION Industrial Brakes – stands for smart innovation and excellent service, which we consistently apply for the benefit of our customers:



Strong know-how

Our specialists develop the leading-edge permanent magnet and spring-applied brakes. With INTORQ as a new member of KENDRION, we have once again consistently expanded our range of spring-applied brakes and clutches for you. This way, we can find the right solution for any of your requirements.

Complete product portfolio

Electromagnetic brakes and clutches as well as perfectly matched accessories: with us you will find an exceptionally large selection of quickly available off-the-shelf products that can be put together in a modular system and the best expertise for customer-specific solutions.

Dynamic innovative power

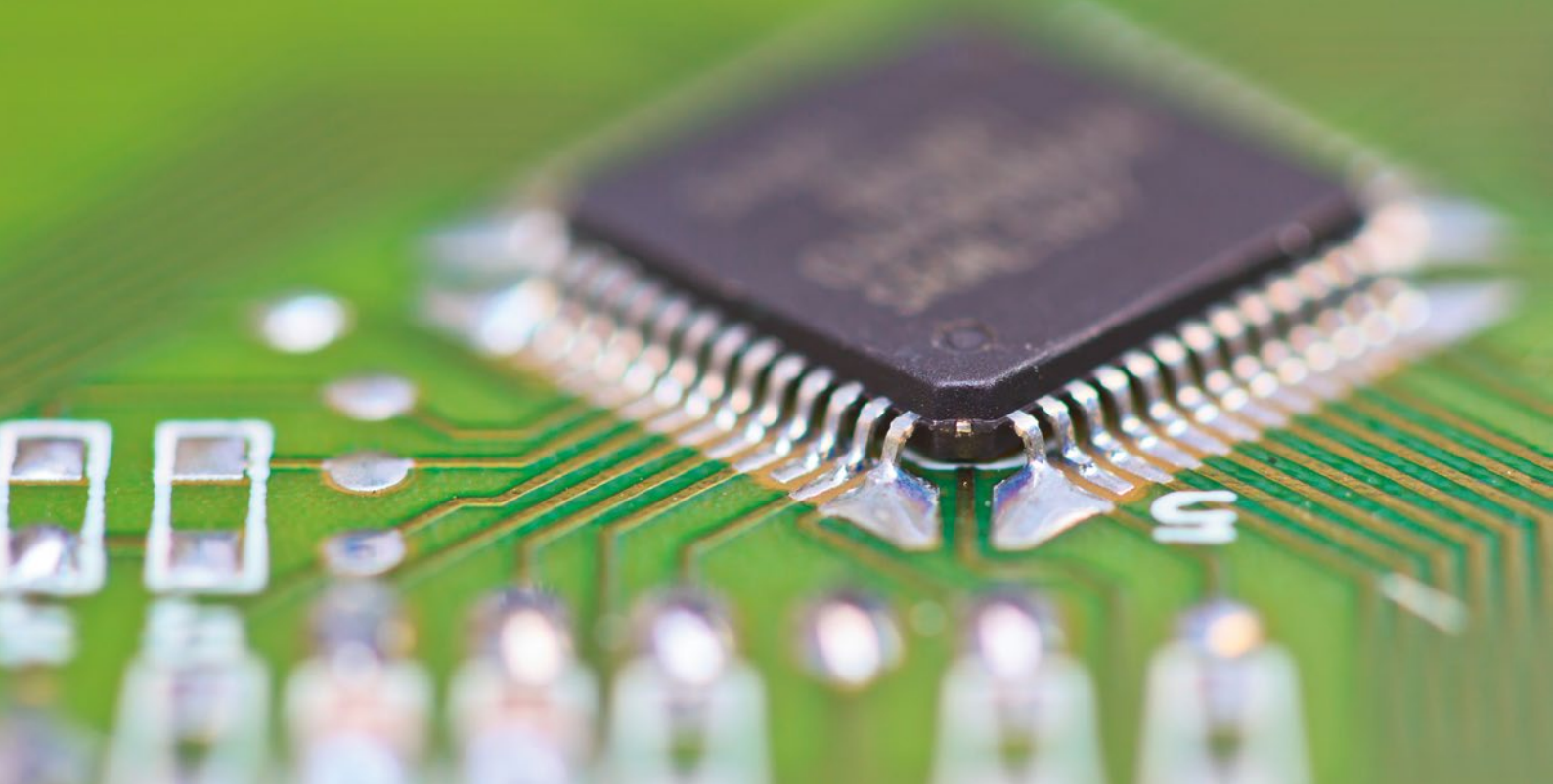
More than 50 specialists working in agile teams in our research and development worldwide are creating convincing product solutions for tomorrow.

Excellent market knowledge

We are very familiar with our focus markets - thanks to extensive experience and research, but also thanks to long-term customer relationships built on partnership and eye-to-eye cooperation.

International power

Committed and competent employees, production sites in Germany, America, India and China as well as a large number of certified sales partners all over the world make us a strong partner for you!



Electronic assemblies for industrial brakes – for versatile use

The product range of Kendrion contains a variety of electronic components for the control of industrial brakes.

A variety of the properties of brakes can be considerably improved through the use of control modules. Reaction times are significantly optimised by overexcitation functions and fast shutdown. Lowering of the holding voltage improves the thermal behaviour of the brake and saves energy. There are suitable electronic modules available for different classes. Depending on the mounting conditions, there are a variety of connection concepts. Kendrion as a result provides the optimum complementary control electronics for electromagnetic brakes for all applications.

Technical details

Compact and cost-effective



Compact and cost-effective



| | | |
|--------------------------------|--|--|
| Series | Slim Collection (AC) | Slim Collection (DC) |
| Types | 32 x710xB5x | 34 x0125Cxx PWM Module |
| Features | <ul style="list-style-type: none"> - Very small design - Cost-effective - Versatile options for assembly and connection through central hole - Overexcitation function - Integrated fast shutdown - Energy savings up to 75% | <ul style="list-style-type: none"> - Very small design - Cost-effective - Versatile options for assembly and connection through central hole - Overexcitation function - Integrated fast shutdown - Energy savings up to 75% |
| Application examples | <ul style="list-style-type: none"> - Installation in motor connection box recommended - Universal use for all brakes up to size 16 depending on power consumption - Versatile assembly and connection options by central hole | <ul style="list-style-type: none"> - Small and cost-effective - Customized holding voltage / current - Suitable for retrofitting |
| Rated input voltage | Max. AC 500 V | DC 12 to 48 V |
| Max. output current ADC | <ul style="list-style-type: none"> - Half-wave: max. 1.0 A - Bridge: max. 1.0 A - Overexcitation: max. 2.0/1.0 A | - Output: max. 2.0 ADC |
| Overexcitation | Yes | Yes |
| Fast shutdown | Internal with voltage detection | Internal with voltage detection |
| Standards / approvals | CE ROHS IP 00 | CE ROHS IP 00 |
| Options and accessories | <ul style="list-style-type: none"> - Braids for motor connection | <ul style="list-style-type: none"> - Braids for motor connection |

Small and cost-effective



Lean Collection

32 0710.B.. | 32 0730.B..
32 0731.B..

- Small design
- Cost-effective
- A wide range of options for installation and connection

- For use with spring-applied brakes up to size 16
- For applications with low requirements on the dynamics
- Installation in small connection boxes

Max. AC 500 V

- Half-wave: max. 1.0 A
- Bridge: max. 2.0 A

No

Depending on type external

CE | ROHS | IP 00

- Mounting rail clip
- Adhesive pad
- Strands for motor connection M4

Universal and diverse



Universal Collection

32 07.2.B.. | 32 17.2.B..
32 4730.B.. | 32 57303B..
32 67.04B.. | 32 77303B..

- All types of rectifiers and switches can be combined in one housing unit
- A wide range of options for installation and connection

- Universal use with all spring-applied brakes up to size 16, depending on power consumption
- Drives with high cycle rates
- Operating brakes with longer maintenance cycles and less heating
- Installation in Classic Line
- Separate use with brakes and magnets

Max. AC 500 (575) V

- Half-wave: 0.7 to 2.0 A
- Bridge: 0.7 to 2.0 A
- Overexcitation: 1.4/0.7 to 3.0/1.5 A

Depending on type 2:1

External or internal with voltage or current detection

CE | ROHS | IP 00 | UL

- Mounting rail clip
- Adhesive pad, mounting clip
- Strands for motor connection M4

Intelligent and flexible



Standard Collection

32 47124A00 | 32 57123A00
32 67124A00 | 32 77123A00
32 1735.E..

- Intelligent rectifier with fast shutdown
- Overexcitation function

- For brakes with higher performance
- from size 14
- Simple installation due to circuitry in motor terminal box

Max. AC 500 V

- Half-wave: max. 1.2 A
- Bridge: max. 1.2 A
- Overexcitation: 2.4/1.2 A

Depending on type 2:1

External or internal with voltage or current detection

CE | ROHS | IP 00 | UL

- Carrier rail mounting upon request
- Screw connection housing
- Strands for motor connection M4

Technical details

High-performance and variable



Auto-switching and small

INTORQ

POWERED BY KENDRION



| |
|--------------------------------|
| Series |
| Types |
| Features |
| Application examples |
| Rated input voltage |
| Max. output current ADC |
| Overexcitation |
| Fast shutdown |
| Standards / approvals |
| Options and accessories |

| |
|--|
| Power Collection |
| 33 433 1.A.. |
| <ul style="list-style-type: none"> - Overexcitation rectifier with adjustable holding voltage for high performance - Pluggable screw terminals enable simple electrical connection |
| <ul style="list-style-type: none"> - For use with large brakes and magnets - Holding power can be optimized - Fast shutdown - Mounting rail attachment |
| Max. AC 415 V |
| <ul style="list-style-type: none"> - Overexcitation: 4 to 12 A - Holding excitation: 2 to 9 A |
| Yes |
| External via contactor contact |
| CE ROHS IP 00 |
| <ul style="list-style-type: none"> - Carrier rail mounting - Open circuit board - Pluggable screw terminals |

| |
|--|
| Compact Plus Collection |
| BES-...-... |
| <ul style="list-style-type: none"> - All rectifiers with internal quick switching off - Input voltage range bridge 200 to 280 V / disposable 380 to 480 V / overexcitation 200 to 280 V and 380 to 480V - Different over-excitation durations available |
| <ul style="list-style-type: none"> - Small and cost-effective - Installation in the motor connection box - INTORQ color code for fast detection of rectifier function |
| Max. AC 480 V |
| <ul style="list-style-type: none"> - Half-wave: 0.3 A - Bridge: 0.3 A - Overexcitation: 0.6/0.3 A |
| Yes |
| Internal with voltage detection |
| CE ROHS IP 00 UL |
| <ul style="list-style-type: none"> - Various mounting solutions |

Standard and robust



Simple and small



Regular Collection

BEG-...-...

- Different voltage variants to cover the entire mains voltage range
- Versatile mounting and connection options

- Horizontal or vertical installation possible
- Installation in the motor connection box
- INTORQ color code for fast detection of rectifier function

Max. AC 550 V

- Half-wave: 0.75 A
- Bridge: 0.75 A
- Overexcitation: 1.5/0.75 to 3.0/1.5 A

Yes

External relay

CE | ROHS | IP 00 | UL

- Various mounting solutions

Compact Collection

BEG-...-...

- Variant program for two input voltage ranges
- Two different housing variants allow the assembly by screwing or locking

- Installation in the motor connection box
- IINTORQ color code for fast detection of rectifier function

Max. AC 555 V

- Half-wave: 1.0 A
- Bridge: 1.0 A

No

None

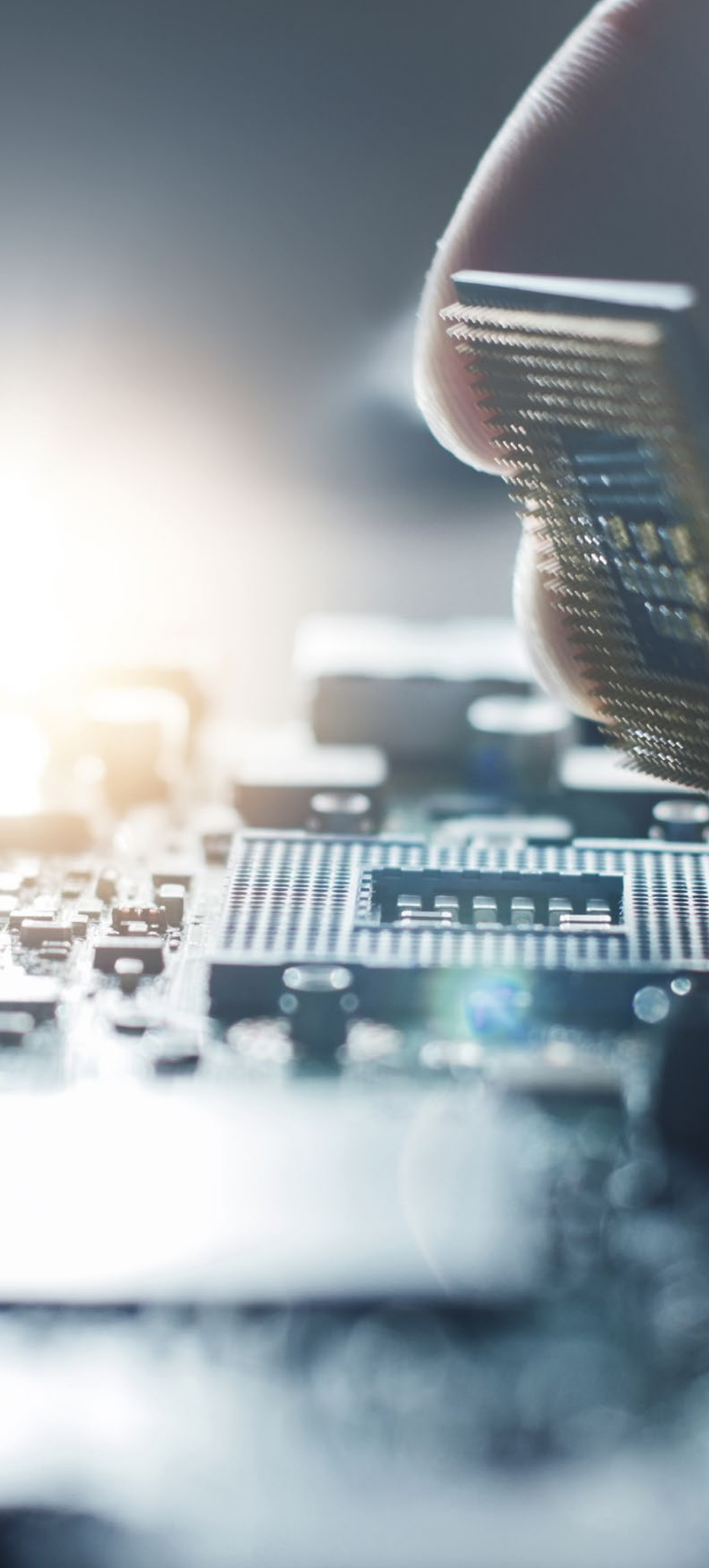
CE | ROHS | IP 00 | UL

- Various mounting solutions



You can find the right execution for your application in our product finder!





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