



Electronic Modules and Components

Applications & Branches

Automation & Robotic



- Universal Collection
- Micro Power Collection
- Standard Line
- MPR

Safety & Comfort

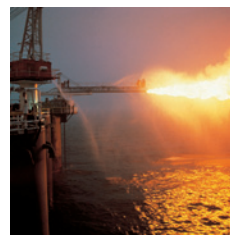


- Door and gate gears
- Lean Collection
 - Universal Collection
 - Micro Power Collection
 - Standard Line
 - Power Collection

Renewable Energy



- Lean Collection
- Universal Collection
- Micro Power Collection
- Standard Line
- Power Collection
- MPR



- Explosion protected area
- Special rectifier in the brake

Machine Building



- Paper and printing machines
- Lean Collection
 - Universal Collection
 - Micro Power Collection
 - Standard Line
 - Power Collection
 - MPR

Transportation



- Crane building
- Lean Collection
 - Universal Collection
 - Micro Power Collection
 - Standard Line
 - Power Collection



- Machine tool building
- Lean Collection
 - Universal Collection
 - Micro Power Collection
 - Standard Line
 - Power Collection
 - MPR



- Conveyor technology
- Universal Collection
 - Micro Power Collection
 - Standard Line
 - MPR



- Packing machines
- Lean Collection
 - Universal Collection
 - Micro Power Collection
 - Standard Line
 - Power Collection
 - MPR

Customer specific solutions



- Optional

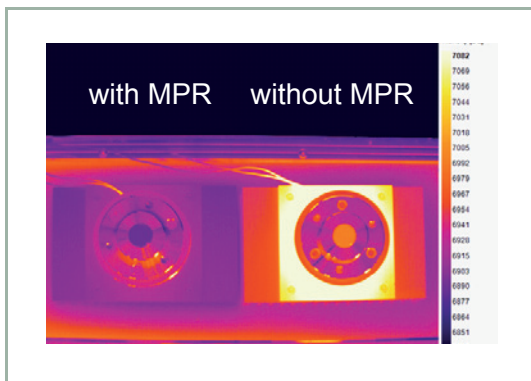
Medical Technology



- MPR

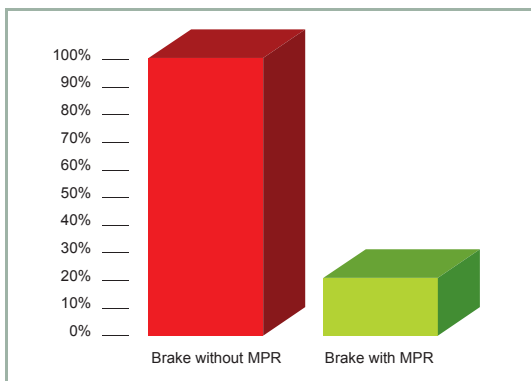
Environment protection & cost reduction

Energy efficient brake control with a saving potential of 50% and more



Your advantage

- Enhance energy saving potential
- Reduce production costs & secure competitive advantages
- Fulfill regulations & environmental agreements
- Protect investments & conserve natural resources



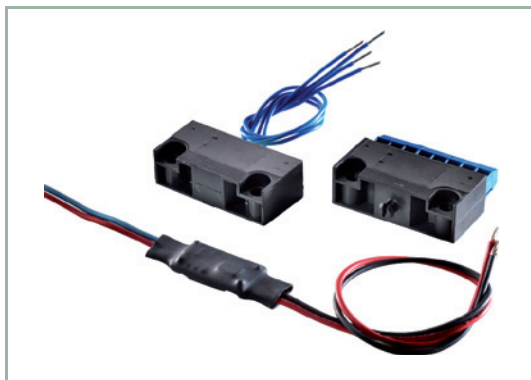
Saving potential

- Energy efficient brake control
- Saving potential of 50% and more



MicroPowerRegulator

- Small, light and robust
- Cost efficient
- High performance
- Wide voltage range
- Retrofit
- For spring-applied and permanent-magnet brakes
- Overexcitation function & fast-switching function
- Different housing options



Think differently for more energy efficiency
Kendrion Industrial Drive Systems.



Series line
Features
Applications
Types
Nominal input voltage
Max. output current ADC
Overexcitation
High-speed switching-off
Standards
Options and accessories

LEAN COLLECTION
<ul style="list-style-type: none"> extremely small size cost-effective manifold mounting and connecting options
<ul style="list-style-type: none"> for use with Slim Line, Compact Line and Vario Line brakes up to size 16 for applications with low requirements to dynamics mounting into small motor terminal boxes
32 0710.B.. 32 0730.B.. 32 0731.B..
max. AC 500 V
half wave: 1,0 A full wave: 2,0 A
no
depending on type external
CE EN60529 HD625.1 S1 NSRL IP 00
<ul style="list-style-type: none"> mounting rail clip adhesive pad leads for motor connection M4

UNIVERSAL COLLECTION
<ul style="list-style-type: none"> all types of rectifiers and switches can be combined in one housing manifold mounting and connecting options
<ul style="list-style-type: none"> universal application with all brakes up to size 16 depending on power input drives with high clock rates operation of brakes with longer maintenance cycles and less heating installation into Classic Line brakes separate use with brakes and magnets
32 07.2.B.. 32 17.2.B.. 32 4730.B.. 32 57303B.. 32 67.04B.. 32 77303B..
max. AC 500 (575) V
half wave: 0,7 to 2,0 A full wave: 0,7 to 2,0 A overexcitation: 1,4/0,7 to 3,0/1,5 A
depending on model 2:1
external or internal with voltage or current detection
CE EN60529 HD625.1 S1 NSRL, EMVRL IP 00
<ul style="list-style-type: none"> mounting rail clip adhesive pad, mounting clip leads for motor connection M4



MICRO POWER COLLECTION

- all types of rectifiers and switches can be combined
- wide voltage ranges, medium-sized power, potted housing
- different mounting and connecting options

- generally used for brakes with higher power beginning from size 19, especially for Classic Line holding brakes
- mounting from outside also applicable for very small motor terminal boxes
- drives for use in difficult ambient conditions

32 07350A.. | 32 17.5.E..
32 4710.A.. | 32 57103A..

max. AC 525 (700) V

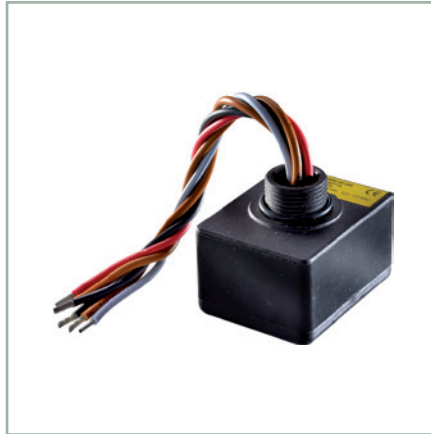
half wave: 1,0 to 1,4 A
full wave: 1,4 to 5,0 A
overexcitation: 6,0/3,0 A

depending on model 2:1

external or internal with voltage or current detection

CE | EN60529 | HD625.1 S1
NSRL, EMVRL | IP 00 | IP 65

- mounting rail
- screw terminal housing
- leads for motor connection M4



STANDARD LINE

- intelligent rectifier with high-speed switching-off
- overexciting function

- for brakes with higher power beginning from size 14
- easy mounting by integration in the motor terminal box

32 47124A00 | 32 57123A00
32 67124A00 | 32 77123A00

max. AC 500 V

half wave: to 1,2 A
full wave: to 1,2 A
overexcitation: 2,4/1,2 A

depending on model 2:1

external or internal with voltage or current detection

CE | EN60529 | HD625.1 S1
NSRL, EMVRL | IP 00 | IP 65

- mounting rail optional
- screw terminal housing
- leads for motor connection M4



POWER COLLECTION

- overexcitation rectifier with adjustable holding voltage for high performance
- plug-in screw terminals allow easy assembling

- for use with large brakes and magnets
- holding power can be optimized
- high-speed switching-off
- fixing with mounting rail

33 433 1.A..

max. AC 415 V

overexcitation: 4 to 12 A
holding excitation : 2 to 9 A

yes

external

CE | EN60529 | HD625.1 S1
NSRL, EMVRL | IP 00

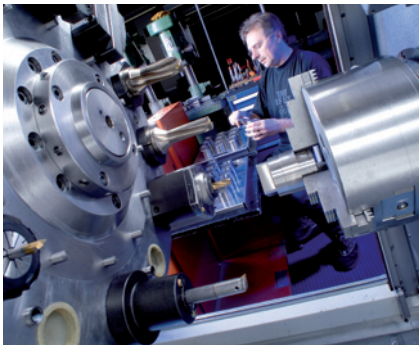
- mounting rail
- open circuit board
- plug-in screw terminals



Series line	MPR
Features	<ul style="list-style-type: none"> ▪ efficient brake control with PWM ▪ constant voltage / Power over a large voltage range ▪ overexcitation function
Applications	<ul style="list-style-type: none"> ▪ small and cost efficient ▪ customer-specific holding voltage and current ▪ retrofit possible
Types	<p>34 17x25A 0X 34 10125A 0X</p>
Nominal input voltage	DC 18 to 40 V
Max. output current ADC	DC 2 A
Overexcitation	Yes
High-speed switching-off	Optional
Standards	CE EMV 2004/108 EWG EN 50081/2
Options and accessories	<ul style="list-style-type: none"> ▪ mounting rail ▪ open circuit board ▪ heat-shrink protected module ▪ screw terminal housing



WE MAGNETISE THE WORLD



Who we are

Kendrion N.V. is a worldwide leading manufacturer of electromagnetic components. Consisting of the four business units Commercial Vehicle Systems, Industrial Drive Systems, Industrial Magnetic Systems and Passenger Car Systems – Kendrion guarantees solution-oriented customer service. The company is characterized by an innovative ability and highest productivity.

Kendrion successfully unites the brands Binder, Magnet AG, Neue Hahn Magnet, Thoma Magnettechnik, Magneta, Linnig Antriebstechnik and Tri Tech LLC.

Industrial Drive Systems is one of the four business units of Kendrion. The business unit Industrial Drive Systems develops and produces electromechanical brakes and clutches for the industrial drive technology.

Applications include accelerating, decelerating, positioning, holding and securing movable drive components and loads. Our brakes and clutches are mainly used in robotics and automation technology, machine tooling, machine and production building, medical technology, transportation, entertainment, safety and comfort, renewable energy and consumer appliances.

Kendrion Industrial Drive Systems has a worldwide presence with its headquarter in Villingen-Schwenningen, Germany.





WE MAGNETISE THE WORLD

INDUSTRIAL DRIVE SYSTEMS

We are looking forward to a good partnership!!

Headquarter

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