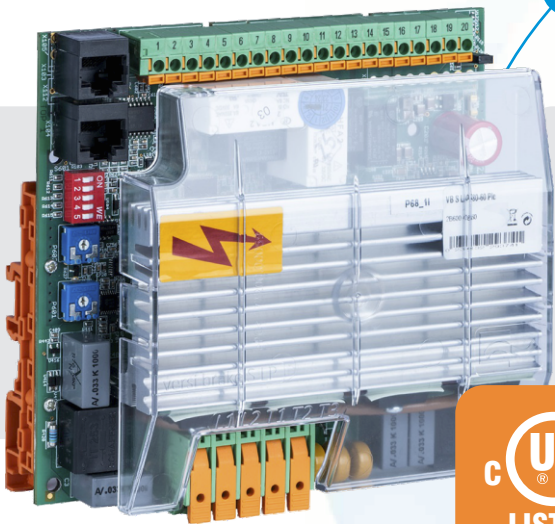


Product Group  
Braking Devices



Quality is our Drive.

## Product Group Braking Devices

PETER electronic sets your machines intelligently in motion, controls them reliably, and brings them to a standstill in a controlled way. Our comprehensive range of products includes braking devices, frequency inverters, thyristor controllers and soft starters. PETER electronic's braking devices enable low-wear and reliable braking of your machines and plants. Electronic DC brakes from PETER electronic are used wherever the deceleration time of the tool (saw disk, cutting blade, milling cutter, etc.) needs to be shortened for time and/or safety reasons. Our braking systems offer you convincing advantages:

Reduction of your routine maintenance costs

Extended lifetime of your equipment

Freedom from interference according to EMC-directive

No additional line reactors required

Competent technical support

Development of individual solutions

Quality and service – “made in Germany“

### A COMPREHENSIVE OFFER

We offer solutions for all kinds of application and industries. We will be pleased to develop individual devices and types for you.



The systems VersiBrake meet the requirements of the IFA (Technical Committee for Wood) according to the Test Principles Wood working machines GS-HO-01. The VersiBrake L (LP) devices are certified with the DGUV test mark. Upon request this is also possible for further versions.



# Braking Devices with standstill-dependent braking



## Braking Device VersiBrake 6/25/30L (LP)

- braking current control: simple and safe commissioning due to infinitely variable braking current
- space-saving variant, in 45mm housing or on PCB
- controlled by microcontroller
- wear-resistant and maintenance-free
- integrated braking contactor
- easy mounting, also for retrofitting into existing plants
- double safety by control via motor contactor and motor voltage detection
- also suitable for use with single-phase motors
- for modernizing existing plants and adapting your machines to applicable trade association requirements
- extending the motor life due to automatic standstill detection function and switch-off of braking current after motor standstill

### Advantages:

space-saving, favorably priced, compliant to German trade association requirements, safety, reduced machine cycle times by self-optimizing delay time for reduction of residual e.m.f., optional additional functions on request



## Braking Device VersiBrake 25

- limitation of braking current to 1.3-fold rated device current
- controlled by microcontroller
- wear-resistant and maintenance-free
- integrated braking contactor
- easy mounting, also for retrofitting into existing plants
- for modernizing existing plants and adapting your machines to applicable trade association requirements
- extending the motor life due to automatic standstill detection function and switch-off of braking current after motor standstill

### Advantages:

reduced machine cycle times by self-optimizing delay time for reduction of residual e.m.f., optional additional functions on request



## Braking Device VersiBrake 36

- limitation of braking current to 1.3-fold rated device current
- controlled by microcontroller
- wear-resistant and maintenance-free
- easy mounting, also for retrofitting into existing plants
- for modernizing existing plants and adapting your machines to applicable trade association requirements
- extending the motor life due to automatic standstill detection function and switch-off of braking current after motor standstill

### Advantages:

reduced machine cycle times by self-optimizing delay time for reduction of residual e.m.f., optional additional functions on request



# Braking Devices with time-dependent braking



## Braking Devices VB 230/400-6/25/30LT

- suitable for all asynchronous motors and for mono phase motors
- controlled by microcontroller
- easy mounting, also for retrofitting into existing plants
- successor for braking devices type BR and BR-L

### Advantages:

overload protection, braking current control, potential-free output for motor contactor interlocking during braking; also usable to energize the star contactor during braking

# Braking Devices with standstill- and time-dependent braking

## Braking Device VersiBrake 40 ... 600

- braking current control: simple and safe commissioning due to infinitely variable braking current
- controlled by microcontroller
- wear-resistant and maintenance-free
- integrated braking contactor up to 60A
- easy mounting, also for retrofitting into existing plants
- for modernizing existing plants and adapting your machines to applicable trade association requirements
- UL certificated
- robust metal housing, degree of protection: IP 20
- extending the motor life due to automatic standstill detection function and switch-off of braking current after motor standstill



### Advantages:

reduced machine cycle times by self-optimizing delay time for reduction of residual e.m.f., optional additional functions on request

# Braking devices with functional safety

## Braking Devices VersiBrake Safe 72 ... 360A VersiBrake Safe 480-60 Plc (LP)

- DC braking with one-way rectification
- integrated braking contactor
- integrated standstill detection
- monitoring of stopping time
- suitable for all asynchronous motors
- suitable for IE1, IE2 and IE3 motors
- self-optimizing braking
- CANopen on board
- degree of protection IP20
- pluggable push-in control terminals
- TÜV certified

### Advantages:

Safety functions meet trade assoc. requirements according to DIN EN13849-1:2008 and DIN EN 61508; SIL 1 PL c

- Monitored, controlled stopping of the motor
- Door lock control
- External stand still monitoring / intelligent standstill detection

### Additional advantages for (LP):

- DC braking with fully controlled bridge circuit up to 60A
- a structure without mechanical switching elements in power circuit
- meets trade assoc. requirements for PL = c / SIL1, acc. to EN ISO 13849-1:2016-06 / EN 61508-1:2011-02
- emergency stop
- compact braking device as a printed circuit board version



## Overview Features

| Type designation                           | VB LT    | VB-6/25/30L (LP) | VB25       | VB36       | VB 40...600   | VB Safe LP 480-60 Plc | VB Safe  |
|--------------------------------------------|----------|------------------|------------|------------|---------------|-----------------------|----------|
| Rated device current                       | 6-30A    | 6/25/30A         | 25A        | 36A        | 40-600A       | 60A                   | 72-360A  |
|                                            |          |                  |            |            | ≤60A    ≥100A |                       |          |
| Features (options included)                |          |                  |            |            |               |                       |          |
| Brake start via motor contactor            | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Brake start via motor voltage              | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Integrated braking contactor               | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Standstill-dependent braking               | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Time-dependent braking                     | Included | Included         | On Request | On Request | Included      | Included              | Included |
| Signaling relay for exceeded braking times | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Current control 0 up to 100%               | Included | Included         | On Request | On Request | Included      | Included              | Included |
| Automatic remanence time optimization      | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Thermal overload monitoring                | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Monitoring of braking frequency            | Included | Included         | On Request | On Request | Included      | Included              | Included |
| 2nd braking time selectable                | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Manual braking stop selectable             | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Fault signaling relay                      | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Braking current display                    | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Wide-voltage-range-capable                 | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Plug-in control terminals                  | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Motor PTC monitoring                       | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Star-delta starting control                | Included | Included         | Included   | Included   | Included      | Included              | Included |
| Special voltage                            | Included | Included         | Included   | Included   | Included      | Included              | Included |
| DGUV test mark                             | Included | Included         | Included   | Included   | On Request    | On Request            | Included |
| UL/CSA Certification                       | Included | Included         | Included   | Included   | Included      | Included              | Included |
| TÜV Certification                          | Included | Included         | Included   | Included   | Included      | Included              | Included |

Included  On Request  Not included

## Applications

wood-working machines (e.g., panel-sizing saws, band saws, moulding and planing machines, butt reducers), conveyor systems with long coast-down times, centrifuges, vibration screening machines, vibrating conveyor systems, welding and plastering machines, machines for the meat-processing industry, stone-working machines, metal-working machines, plastics processing machines

Our range of products:

Soft Starters

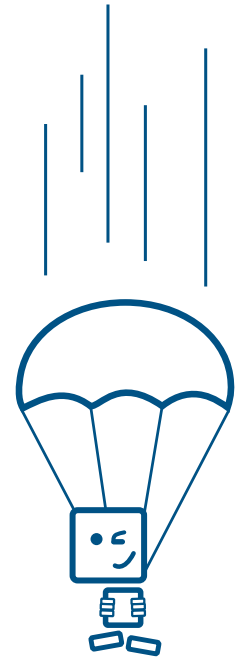
Braking Devices

Combined Motor Start and Braking Devices

Variable Speed Drives

DC-Controllers

Monitoring Modules



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