# Braking Devices VersiBrake 36A

### Features:

- DC braking with one-way rectification
- controlled by microcontroller
- suitable for all asynchronous motors
- easy mounting, also for retrofitting into existing plants
- wear-resistant and maintenance-free
- special voltages up to 575V (up to 480V)
- for snap-mounting onto 35mm top-hat-rail
- degree of protection IP 20



ctronic

Braking Devices VB 230-36 VB 400-36 C C ususten

### Function:

- control via motor contactor
- standstill detection
- braking current limited to rated device current
- remanence time optimization
- braking current infinitely adjustable
- potential-free output for motor contactor interlocking during braking
- D potential-free output for fault signalling relay
- potential-free output for braking contactor

#### **Options:**

- star-delta starting control (D)
- wide-voltage-range-capable due to control voltage supply of 24VAC or 230VAC (B)



Type designation	
rype designation	VB 230-38
	VB 400-36
Mains voltage	VB 230 220/240V ±10% 50/60Hz other voltages
	VB 400 380/415V ±10% 50/60Hz upon request
Power draw of the electronics	6 VA
max. Motor rating at 220/240V	4.5kW
at 380/415V	7.5kW
Rated device current	36A
c.d.f. at max. braking current	5%
ext. semiconductor fuse " high-speed"	40A
Braking voltage	0 130VDC at 220/240V
	0 220VDC at 380/415V
max. Braking time	15sec. (other times upon request)
Contact rating of output relay	6A/250V~
Delay time for reduction of residual e.m.f.	self-optimizing (100 2500ms)
min. Cross-section area / connection cable	2.5mm <sup>2</sup>
Ambient / Storage temperature	0°C 45°C / -25°C 75°C
Weight	1kg
Order number 230V	21900.23036
Order number 400V	21900.40036
Order number 230V - UL	29800.23036
Order number 400V - UL	29800.40036

**Typical Applications:** 

wood working machines textile machines

sawing machines

centrifuges



## Dimensions:



### **Connection Diagrams:**



#### EMC

The limit values for emitted interference according to the applicable device standards do not rule out the possibility that receivers and susceptible electronic devices within a radius of 10m are subjected to interference. If such interference, which is definitely attributable to the operation of the braking devices "BR", occurs, the emitted interference can be reduced by taking appropriate measures.

Such measures are, e.g.: To connect reactors (3mH) or a suitable mains filter in series before the braking device, or to connect X-capacitors (0.15µF) in parallel to the supply voltage terminals.

3.10