

Braking Devices VersiBrake 25A 3.09

Features:

- ☑ DC Braking with one-way rectification
- ☑ controlled bei microcontroller
- ☑ suitable for all asynchronous motors
- ☑ easy mounting, also for retrofitting into existing plants
- ☑ wear-resistant and maintenance-free
- ☑ special voltages up to 575V (UL: bis 480V) with Option „B“
- ☑ for snap-mounting onto 35mm top-hat-rail
- ☑ degree of protection IP 20



**Braking Devices
VB 230/400-25**



Function:

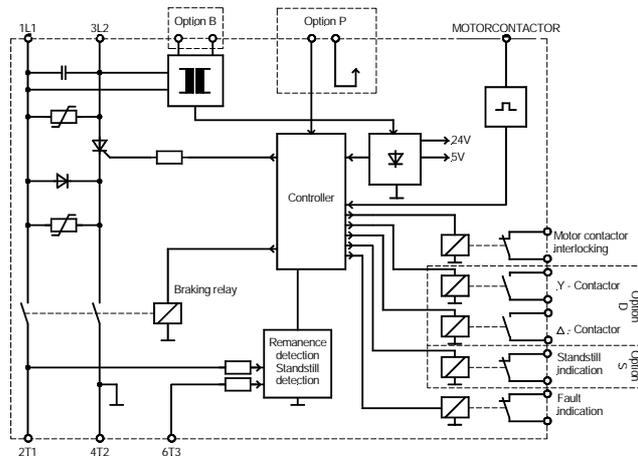
- ☑ control via motor contactor
- ☑ standstill detection
- ☑ braking current limited to rated device current
- ☑ remanence time optimization
- ☑ braking current infinitely adjustable
- ☑ potential-free output for motor contactor interlocking during braking
- ☑ potential-free output for fault signalling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

Options: (upon request)

- ☑ UL Version
- ☑ star-delta starting control (D)
- ☑ motor temperature monitoring (P)
- ☑ standstill signalling relay (S)
- ☑ wide-voltage-range 200...575V (B)
control voltage of 24VAC or 230VAC is necessary
(please note on order)

Typical Applications:

- sawing machines
- centrifuges
- wood working machines
- textile machines
- conveying systems



Type designation		VB 230-25 VB 400-25
rated device current		25A
mains voltage according to DIN EN 50160 (IEC 38)	VB 230 ... 220/240V ±10% 50/60Hz VB 400 ... 380/415V ±10% 50/60Hz	option „B“ 200...575V ±10% 50/60Hz
order number	230V	21900.23025
	400V	21900.40025
	230V – UL	29800.23025
	400V – UL	29800.40025

3.10 Braking Devices VersiBrake 25A

Technical data	VB 230-25 VB 400-25		
mains voltage according to DIN EN 50160 (IEC 38)	VB 230 ...	220/240V ±10%	50/60Hz
	VB 400 ...	380/415V ±10%	50/60Hz
power draw of electronics	option „B“ 200...575V ±10% 50/60Hz		
recommended for rated motor current up to	6 VA		
rated device current	12,5A		
c.d.f. at max. braking current	25A		
I ² t-value of power semiconductor in A ² s	8%		
braking voltage	1250		
max. braking time	0 ... 130VDC bei 220/240V 0 ... 220VDC bei 380/415V		
contact rating (control relay)	15s (other times upon request)		
delay time for reduction of residual e.m.f.	6A/250VAC; 6A/30VDC		
max. cross-sectional area	self-optimizing in the range between (100 ... 2500ms)		
ambient- / storage temperature	2x 2,5mm ² per terminal		
weight / kg	0°C ... 45°C / -25°C ... 75°C		
	0,8		

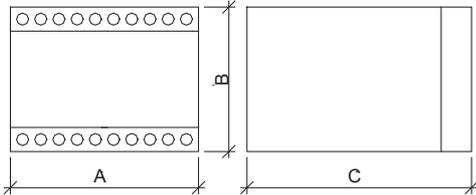
Note:

Please pay attention and consider for the operation of IE3 motors while dimensioning of softstarters and dc brakes the resulting higher starting and braking currents.

For the use of IE3 motors we highly recommend to dimension and design the needed softstarters and braking devices one size higher.

Dimensions:

VB 230-25
VB 400-25



Mounting dimensions	A	B	C
VB ... - 25	100	73	120

All dimensions indicated in mm.

Connection Diagram:

