

Braking Devices VersiBrake 40 ... 600A

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
- integrated braking contactor (devices up to 60A)
- degree of protection IP 20



Function:

- control via motor contactor
- standstill- or time-dependent braking
- signalling relay for exceeded braking times
- braking current adjustments 0...100%, current control
- automatic remanence time optimization
- braking times 0,5 320s
- temperature monitoring of heat sink
- potential-free signalling and control outputs
- 2 potential-free signaling and control out
 2nd braking time 0,5 40s selectable
- a zind braking time 0,0 = 403 select
 a manual braking stop selectable

Options: (upon request)

- Braking devices available with UL
- braking current display (AC*)
- wide voltage range 200 690V (BC*)
- plug-in control terminals (C)
- motor temperature monitoring (PC*)
- star-delta starting control (PC*)
- standstill signalling relay (PC*)
- standstill signalling relay (PC)
 braking current monitoring (PC*)
- Draking current monitoring (PC*)
 Adaptor for braking devices 40A to 200A for
- mounting onto DIN rail (order number 29000.29700)

* Devices with options are always equipped with pluggable control terminals.



Type designation VB	230-40	230-60	230-100	230-200	230-400	230-600			
	400-40	400-60	400-100	400-200	400-400	400-600			
Mains voltage	220/240V ±10% 50/60Hz (standard)								
according to DIN EN 50160 (IEC 38)	380/415V ±10% 50/60Hz (standard)								
	200 – 690V ±10% 50/60Hz (wide voltage range)								
Power draw of the electronics	6 VA								
Recommended for rated motor currents up to	20A	30A	50A	100A	200A	300A			
Rated device current	40A	60A	100A	200A	400A	600A			
c.d.f. at max. braking current	20%								
I ² t-Value Power semiconductor in A ² s	1050	4900	6050	80000	320000	1125000			
Braking voltage	0 130VDC at 220/240V								
max. Braking time	40s with standstill-dependent braking								
	320s with time-dependent braking								
Contact rating of output relays	3A/250VAC; 3A/30VDC								
Delay time for reduction of residual e.m.f.	self-optimizing		self-optimizing						
	(200 3100ms)		(1600 3100ms)						
max. Cross-sectional area	16mm ²	16mm ²	16mm ²	35mm ²	Screv	v M12			
Ambient / Storage temperature	0°C 45°C / -25°C 75°C								
Weight / kg	2,1	2,1	2,1	3,1	7,2	10,2			
Order number 230V	29700.23040	29700.23060	29700.23100	29700.23200	29700.23400	29700.23600			
Order number 400V	29700.40040	29700.40060	29700.40100	29700.40200	29700.40400	29700.40600			
Order number UL-devices	upon request								

Typical Applications:

wood working machines

sawing machines

textile machines

centrifuges

Please observe supplementary sheet with dimensioning rules.

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Dimensions:



	А	В	С	D	ш	F
VB40	110	242	140	86	226	
VB60	110	242	140	86	226	
VB100	110	242	140	86	226	
VB200	110	255	155	80	226	
VB400	210	275	165	180	226	340
VB600	310	280	165	280	226	355

All dimensions in mm.

Connection Diagrams:



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