

Features:

- ▣ DC braking with one-way rectification
- ▣ suitable for all asynchronous motors and for mono phase motors
- ▣ controlled by microcontroller
- ▣ easy mounting, also for retrofitting into existing plants
- ▣ wear-resistant and maintenance-free
- ▣ integrated braking contactor
- ▣ for snap-on mounting onto 35mm DIN rail
- ▣ degree of protection IP 20
- ▣ successor for braking devices type BR and BR-L



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

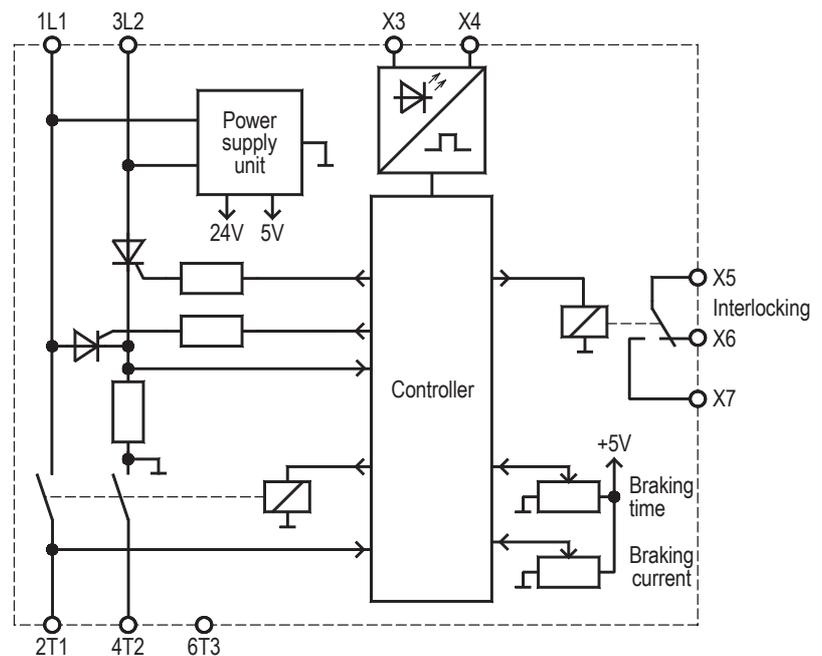


Function:

- ▣ direct online start via motor contactor
- ▣ overload protection
- ▣ braking current control
- ▣ automatic remanence time optimization
- ▣ braking current infinitely adjustable 10-100%
- ▣ braking interrupt is possible
- ▣ restart 1,2s after braking interrupt
- ▣ braking time adjustable
- ▣ potential-free output for motor contactor interlocking during braking; also usable to energize the star contactor during braking

Typical Applications:

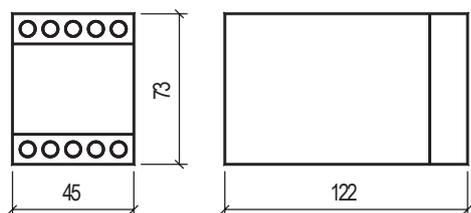
- sawing machines
- centrifuges
- wood working machines
- textile machines
- conveying systems



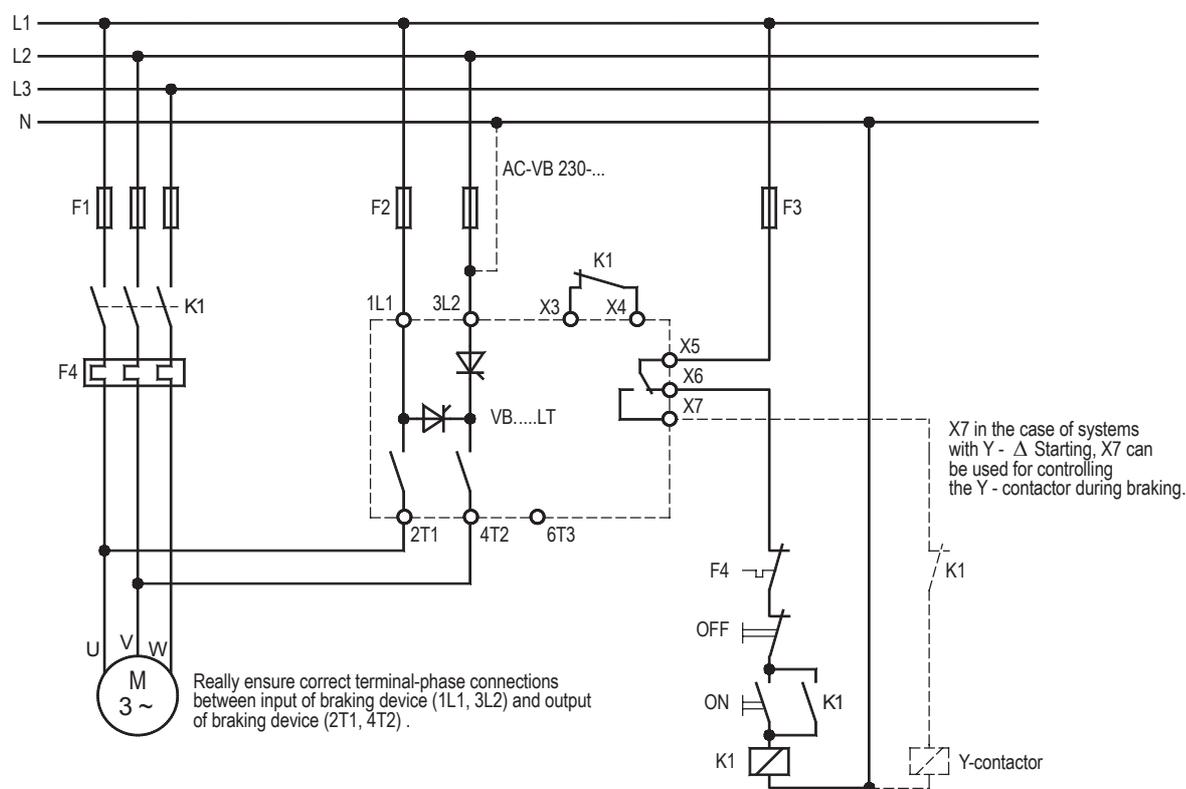
Type designation	AC-VB 230-6LT	AC-VB 230-25LT	AC-VB 230-30LT	AC-VB 400-6LT	AC-VB 400-25LT	AC-VB 400-30LT
Mains voltage acc. to DIN EN 50160 (IEC 38)	220/240V ±10% 50/60Hz			380/415V ±10% 50/60Hz		
Power draw of electronics	3 VA					
Recommended for rated motor currents up to	0,3 ... 3A	2 ... 12,5A	2 ... 15A	0,3 ... 3A	2 ... 12,5A	2 ... 15A
Rated device current upto a braking time of 20s	6A	25A	30A	6A	25A	30A
Rated device current at a braking time of 30s	6A	17A	20A	6A	17A	20A
max. Braking frequency at a braking time of 5s	1/8s	1/60s	1/90s	1/8s	1/60s	1/90s
I ² t- value of power semiconductors	310A ² s	1250A ² s	1350A ² s	310A ² s	1250A ² s	1350A ² s
Braking voltage	0 ... 110VDC			0 ... 220VDC		
max. Braking time	0 ... 30s (special device 0 ... 60s available)					
Contact rating (control relay)	3A/250VAC; 3A/30VDC					
Delay time for reduction of residual e.m.f.	Self-optimizing in the range between 0,2 ... 1,8s					
max. Cross-sectional area for connection	2x 2,5mm ² per terminal					
Ambient / Storage temperature	0°C ... 45°C / -25°C ... 75°C					
Weight / kg	0,6					
Order number	2B200.23006	2B200.23025	2B200.23030	2B200.40006	2B200.40025	2B200.40030

Please observe supplementary sheet with dimensioning rules.

Dimensions:



Connection Diagramm:



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 "AC-VB", 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 (0,15 μ F) in parallel to the supply voltage terminals.

Subject to change without notice.