

Features:

- ❑ DC Braking with one-way rectification
- ❑ suitable for all asynchronous motors
- ❑ easy mounting, also for retrofitting into existing plants
- ❑ weas-resistant end maintenance-free
- ❑ special voltages up tp 600V (20A-devices)
- ❑ special voltages up tp 690V (devices up from 40A)
- ❑ Integrated braking conductor (devices up to 20A)
- ❑ for snap-mounting onto 35mm top-hat-rail (devices up tp 20A)
- ❑ degree of protection IP 20 (BR 230/400 - 10 ... 20)
- ❑ degree of protection IP 00 (BR 230/400 - 40 ... 600)



Braking Devices
BR 230-10 ... 600
BR 400-10 ... 600

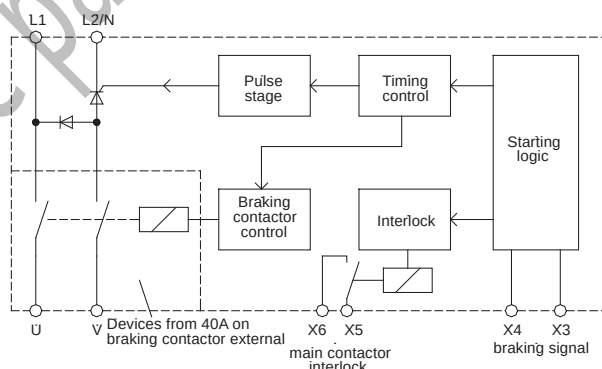


Function:

- ❑ DC braking
- ❑ control via motor contactor
- ❑ 2 separately adjustable parameters
braking current, braking time
- ❑ potential-free output for motor contactor
interlocking during braking
- loadable with 250V/8A
- ❑ potential-free output for braking contactor
(devices up from 40A)
- loadable with 250V/8A

Typical Application:

sawing machines
centrifuges
wood working machines
textile machines
conveying systems

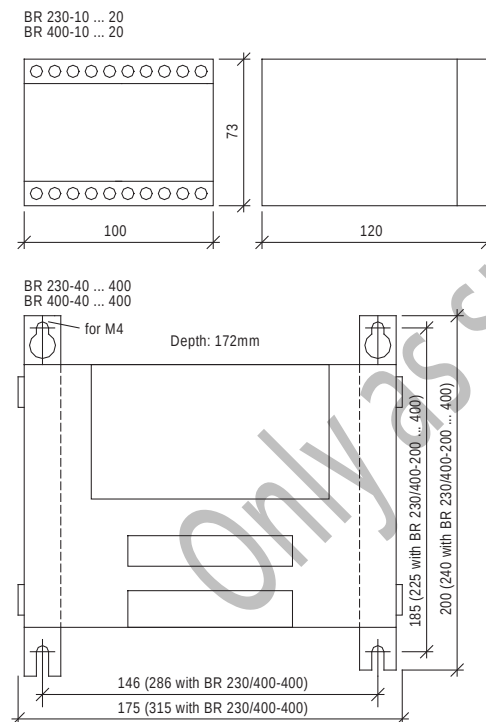


Typical designation BR	230-10 400-10	230-20 400-20	230-40 400-40	230-60 400-60	230-100 400-100	230-200 400-200	230-400 400-400	230-600 400-600
Rated device current	10A	20A	40A	60A	100A	200A	400A	600A
Mains voltage according to DIN EN 50160 (IEC 38)	BR 230 ... 220/240V ±10% 50/60Hz other voltages BR 400 ... 380/415V ±10% 50/60Hz upon request							
Order number	for BR 230-...							
	21600. 22010	21600. 22020	21600. 22040	21600. 22060	21600. 22100	21600. 22200	21600. 22400	21600. 22600
	for BR 400-...							
	21600. 38010	21600. 38020	21600. 38040	21600. 38060	21600. 38100	21600. 38200	21600. 38400	21600. 38600

Please observe supplementary sheet with dimensioning rules!

Technical data	BR	230-10 400-10	230-20 400-20	230-40 400-40	230-60 400-60	230-100 400-100	230-200 400-200	230-400 400-400	230-600 400-600
Mains voltage according to DIN EN 50160 (IEC 38)	BR 230 ... BR 400 ...	220/240V ±10%	220/240V ±10%	50/60Hz	50/60Hz	other voltages upon request			
Power draw of electronics		6 VA							
Recommended for rated motor currents up to		5A	10A	20A	30A	50A	100A	200A	300A
Rated device current		10A	20A	40A	60A	100A	200A	400A	600A
c.d.f. at max. braking current		20%	20%	15%	15%	15%	15%	15%	15%
I ² t-Value Power semiconductor in A ² s		40	680	8000	8000	8000	80000	320000	1125000
Braking voltage		0 ... 130VDC at 220/240V 0 ... 220VDC at 380/415V							
Braking time		2 ... 15s (other times upon request)							
Contact-rating		Relay contact for motor contactor = 6A/250VAC; 6A/30VDC - contact for braking contactor = 6A/250VAC; 6A/30VDC							
Delay time for reductions of residual e.m.f.		250ms	250ms	600ms	600ms	1500ms	1500ms	1500ms	1800ms
max. cross-sectional area		2,5mm ²	2,5mm ²	16mm ²	16mm ²	35mm ²	35mm ²	screw M8	screw M10
Ambient- / Storage temperature		0°C ... 45°C / -25°C ... 75°C							
Weight / kg		0,5	0,55	2,4	2,4	2,55	3,55	7,6	13,5

Dimensions:



Connection Diagram:

