## Recommended power options for braking units and braking resistors

## Components for braking units

Nominal power rating P <sub>20</sub>	Components for braking units <sup>5</sup> )	Fuse switch-disconnector for DC coupling			Fuses for braking units		
			Rated current	Max. fuse size		Rated current	Size
kW	Order No.	Order No.	А		Order No.	А	
DC link voltage 510 V DC to 650 V DC							
5	6SE7018-0ES87-2DA0	3NP42 70-0CA01	250	0; 1	2 x 3NE4 101	32	0
10	6SE7021-6ES87-2DA0	3NP42 70-0CA01	250	0; 1	2 x 3NE4 101	32	0
20	6SE7023-2EA87-2DA0	3NP42 70-0CA01	250	0; 1	2 x 3NE4 102	40	0
50	6SE7028-0EA87-2DA0	3NP42 70-0CA01	250	0; 1	2 x 3NE4 121	100	0
100	6SE7031-6EB87-2DA0	3NP42 70-0CA01	250	0; 1	2 x 3NE3 225	200	1
170	6SE7032-7EB87-2DA0	3NP53 60-0CA00	400	0; 1	2 x 3NE3 230–0B	315	1

- 1) Refer to Catalog "Switchgear and Systems". Rated insulation voltage with pollution degree 2 according to DIN VDE 0110, Part 1, 1000 V.
- See Engineering Information. The diodes referred to are from the range of products supplied by SEMIKRON GmbH u. Co. KG, Sigmundstr. 200, D-90431 Nuremberg, Germany. Internet: www.semikron.com
- 3) Diode supplied as a disc diode with a clamping cap for mounting on a copper plate or copper rail.
- 4) See Engineering Information. The diodes referred to are from the product range supplied by EUPEC GmbH u. Co. KG, Max-Planck-Str. 5, D-5981 Warstein, Germany. Internet: www.eupec.com
- 5) The braking units connected in parallel to a DC voltage busbar or several converters are to be protected with the fuses indicated.