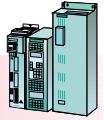


SIMOVERT MASTERDRIVES Vector Control

Compact PLUS, Compact and Chassis Units



Braking units and braking resistors

Compact PLUS units Compact and chassis units

Technical characteristics

Braking units **5 kW to 20 kW** **Degree of protection IP20**

The braking units in the output range $P_{20} = 5 \text{ kW}$ to 20 kW consist of a chopper power section and an **internal** load resistor.

Braking resistor **Degree of protection IP20**

An external load resistor can be connected to increase the braking time or to increase the braking power.

The Compact PLUS converters and rectifier units have an integral chopper power section. For regenerative mode, these units only require a braking resistor.

Applications in which braking energy occurs only occasionally, e.g. emergency stop, can be implemented with compact braking resistors that are specially matched to Compact PLUS units. These compactly dimensioned braking resistors can absorb high levels of braking power for a short time.

Braking units **50 kW to 200 kW** **Degree of protection IP20**

Braking units of 50 kW to 200 kW require an **external** load resistor which has to be connected to the braking unit.



Fig. 3/12
Braking unit and braking resistor for compact and chassis units



Fig. 3/13
Braking resistor for Compact PLUS units