

Compact Braking Resistor Combination

5.000 – 12.000 W, DB / 50 – 120 kW, KB

REOHM Series BW 150
Type BW 155/...

Applications:

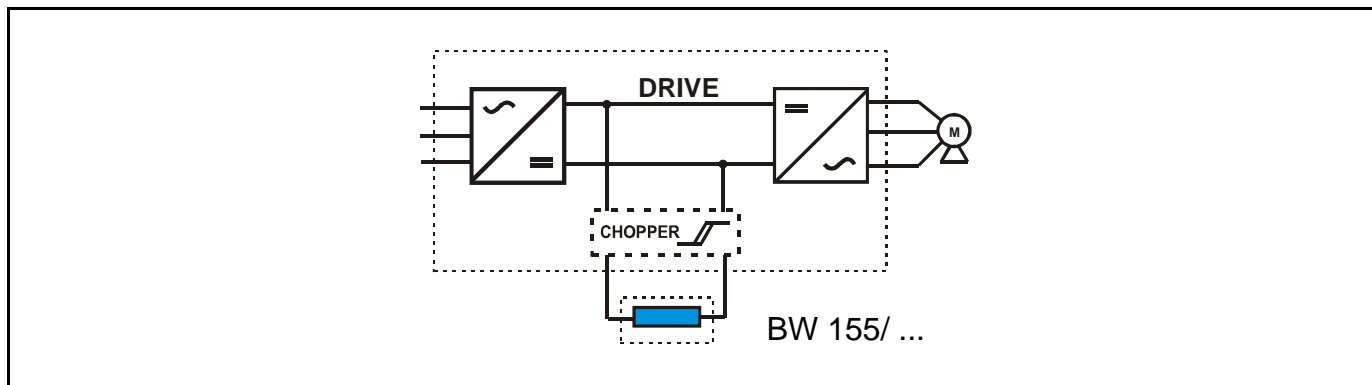
For drives with high power frequency converters. Assembly close to frequency drives.

- Elevators
- Escalators
- Large inertia loads
- High temperature
- Rigid mounting positions



Protection IP 20, IP 65	Test voltage 2,5 kV AC
max. Temp > 300 °C	Ambient temperature -10...+40 °C

Circuit example



Benefits:

- Decelerating a load with large inertia
- Increase the control torque of the inverter
- For frequently repeated ON/OFF cycles
- Compact construction
- Easy installation
- Suitable for the use with any frequency drive
- Compact design
- High power rating
- Continuous power: Max. 600W
- High temperature wire
- CE Marked
- DIN 41 480 compliant

Technical data

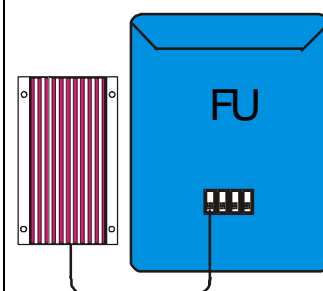
Type	Resistance values	Continuous power	Max. Operating voltage
	R [Ohm]	P [W]	U [V]
BW 155 / 5000 / ...	6 – 600	5 000	800
BW 155 / 6000 / ...	6 – 600	6 000	800
BW 155 / 9000 / ...	12 – 1.000	9 000	800
BW 155 / 12000 / ...	15 – 1.200	12 000	800

Other power ratings on request

This braking resistor of the REOHM series is very compact with high capacity.

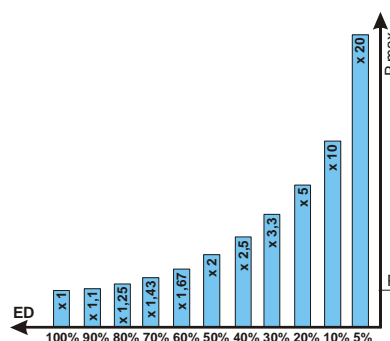
Maximum energy is provided in smallest space and very high protection rating.

The resistor is to be assembled vertically with the terminal box at the bottom.



Load diagram

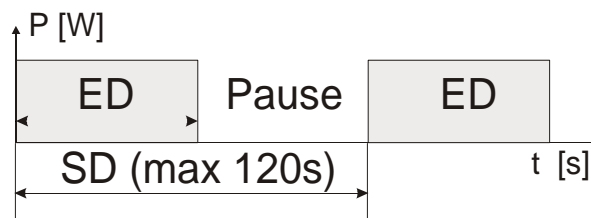
$$P_{\max} = \frac{P * 100}{ED[\%]}$$



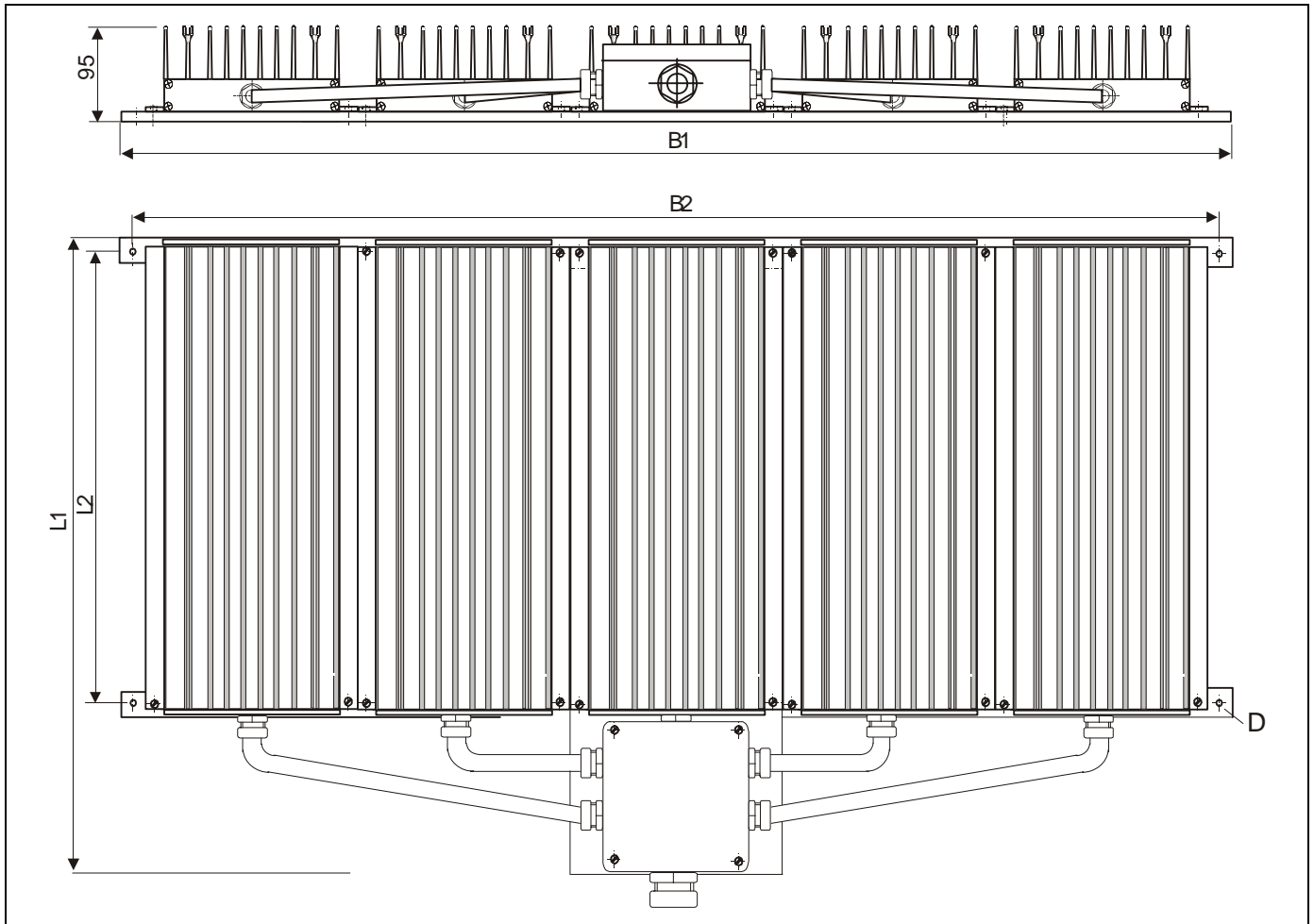
SD = ZCycle time max 120 sec.

$$ED[\%] = \frac{ED[s]}{SD[s]} * 100$$

ED = Duty cycle
t



Dimension Drawing



Type	Dimension					Screwed cable gland	Weight	Connection
	L1	L2	B1	B2	D		[kg]	Terminal
	[mm]	[mm]	[mm]	[mm]	[mm]			
BW 155 / 5000 / ...	620	500	590	560	8.5	M32	20	10 mm ²
BW 155 / 6000 / ...	760	500	590	560	8.5	M32	23	10 mm ²
BW 155 / 9000 / ...	760	500	940	910	8.5	M32	37	10 mm ²
BW 155 / 12000 / ...	760	500	1115	1085	8.5	M32	44	10 mm ²

Other fixing dimensions possible.

In order to keep the protection rating IP 65 it is to be ensured that surface temperature does not exceed 200 °C.