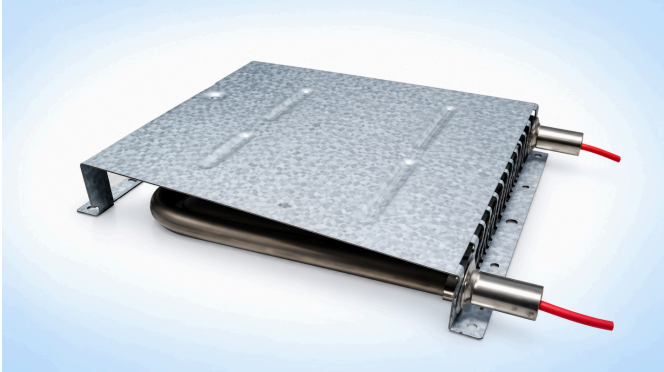
RXL-B Series Braking Resistors

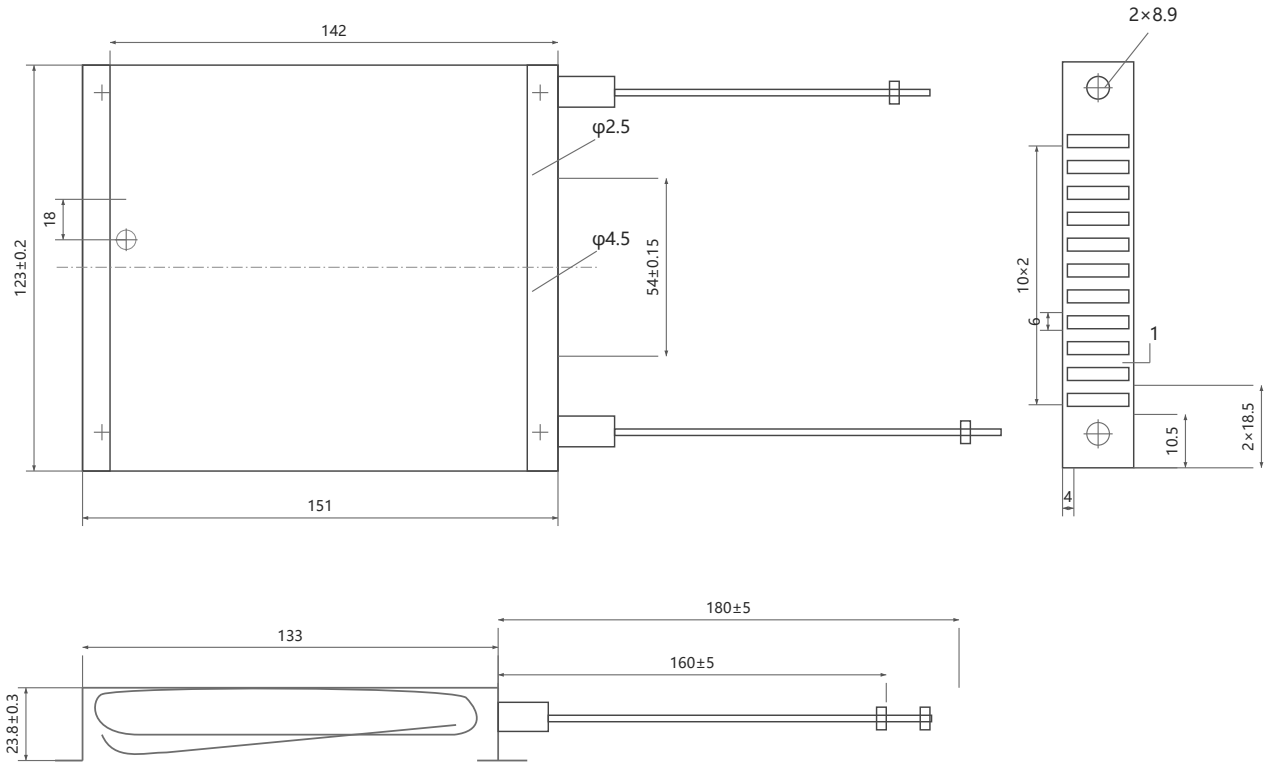
Product Introduction

• Product features: high operating voltage, high braking energy and short start-up time.

• Applications: metro traction, diesel locomotives, AC/DC electric locomotives and inverter braking.



Outline Dimensions



Specifications

Model	Peak power (KW)	Nominal resistance (Ω)
RXL-B1	500W	28

Main Test Items

Test item	Test conditions	Performance requirements	Test standard
Maximum braking energy absorption	20KWs	No open circuit	-
Peak voltage	900Vdc	No open circuit	-
Insulation resistance	Voltage: (500±50)Vdc, 1min, between terminals and housing	>50MΩ	GB/T 5729-2003, Clause 4.6
Voltage withstand	Voltage: 2000Vac, 1min, between terminals and bracket	No breakdown or flashover	GB/T 5729-2003, Clause 4.7

Notes

1. This resistor has high braking energy, a short braking time and air cooling. Before initial installation and use, read this specification and consult technical personnel to avoid operation beyond its working range. Pay particular attention to the following points.

2. Mounting: secure the resistor to the mounting surface through the 2 mounting holes.

3. The resistor specified here operates at high current. Ensure reliable electrical connections at the lead cable terminals to minimize contact resistance.

Ordering Example

Model	Rated power	Nominal resistance	Resistance tolerance	Quantity
RXL-B1	500W	28Ω	±5%	1000 pieces