RXL-D

Series Braking Resistors

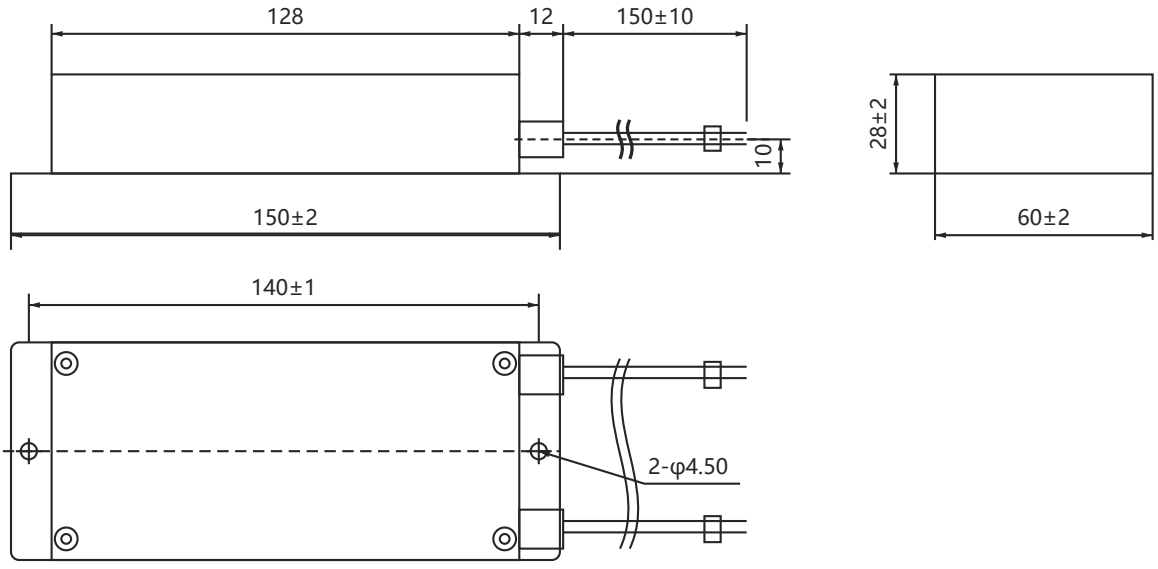
Product Introduction

• Features: High operating voltage, high braking energy, short start-up time and low inductance.

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



Dimensions



Specifications

Model	Peak power (KW)	Nominal resistance (Ω)
RXL-D3	92	5.6

Main Test Items

Test item	Test conditions	Requirement	Test standard
Maximum braking energy absorption	92KWs	No open circuit	-
Pulse energy cycling	92KW, 1S on, 30min off, 100 cycles	No open circuit	-
Insulation resistance	(500±50) Vdc, 1min, between terminals and housing	>50MΩ	GB/T 5729-2003, 4.6
Voltage withstand	2000Vac, 1min, between terminals and bracket	No breakdown or flashover	GB/T 5729-2003, 4.7
Vibration	Frequency: (10 ~ 55) Hz; amplitude: 0.2mm or acceleration 1.3g; 6h	ΔR≤±(1.0%R+0.05Ω)	GB/T 2423.10-2019

Notes

1. This resistor has high braking energy, a short braking time and natural 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. Installation: Use the 4 mounting holes to secure the resistor to the mounting surface.

3. Because the resistor specified here operates at high current, ensure reliable electrical connections at the cable terminals to reduce contact resistance.

Ordering Example

RXL-D3	5.6Ω	±5%	1000 pcs
Model	Nominal resistance	Tolerance	Quantity