LX-1 High-Current Load Resistor

Product Overview

A spring-shaped resistance wire is wound around the resistor tube for low inductance, high overload capacity, and easy mounting.



Technical Specifications

Parameter	Specification
Power Range	180 W - 450 W
Resistance Range	0.3 Ω - 4.3 Ω
Rated Temperature Rise	≤375°C
Dielectric Withstand Voltage[1]	2 kV
Degree of Protection	IP00
Resistance Change at Rated Power	Within ±10%
Short-Time Overload	10 × power for 6 s
Ambient Temperature	-55°C ~ +315°C

[1] Between the electrode and mounting bracket.

Mechanical Drawing



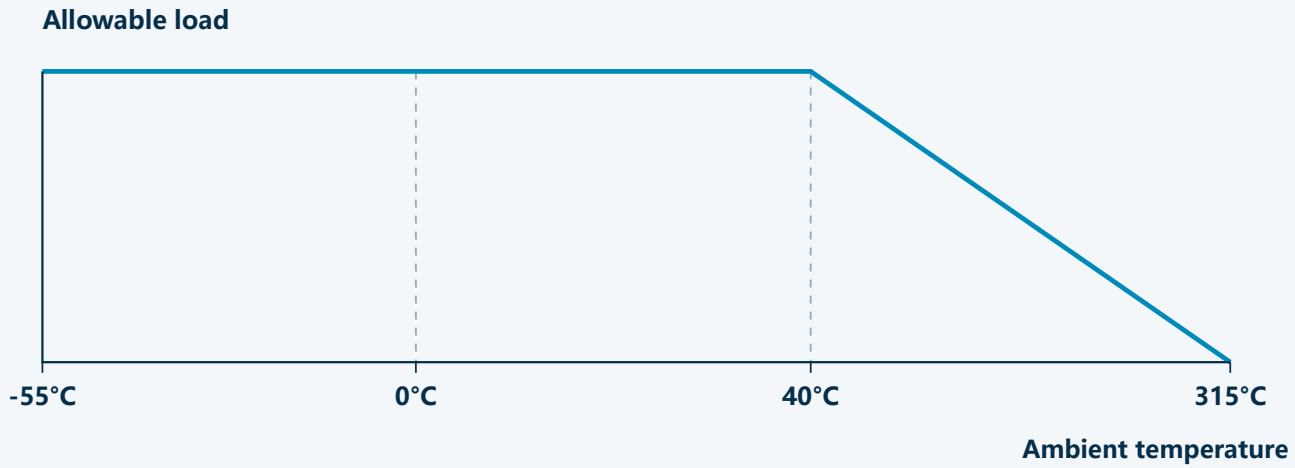
Units: mm

Dimensions and Temperature

Power (W)	L	D	D1	H	Temp.
200	195	50	10	75	≤250°C
300	195	50	10	75	≤320°C
450	195	50	10	—	≤520°C

Dimensions in mm. H is unspecified for 450 W.

Allowable Load vs. Ambient Temperature



Schematic curve. Temperature spacing is not to scale. No numeric load scale is specified.