

Data Sheet

Power resistor Model: PWR-FL

Features

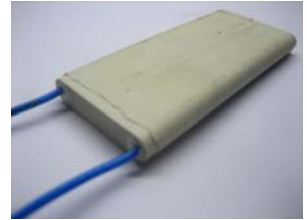
- robust housing
- seal condition IP33

Applications

- brake resistor
- discharge resistor
- Snubber resistor

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Electrical Characteristics

	FL 75	FL 115	FL 150	
Power (ED100%; T _{enn} =350°C)	75 W	100 W	150 W	(1)
Resistance range	4,3Ω-390Ω	5,6Ω-560Ω	7,5-820Ω	
Resistance tolerance	± 5%			(2)
Max. voltage	5% 1000V	1500V	1500V	
Working voltage	√PR			
Pulsbelastung für für t _{on} = 5s (pulse charge???)	1,5 KW	2,0 KW	3,0 KW	
Inductance	< 0,2 mH bei 1 KHz			
Thermal time constant	3 bis 5 min.			(3)
Stability	5%			
Insulation resistance	10GΩ bei 500 VDC			
Dielectric withstanding voltage	4000 VAC, 50 Hz, 60 s			
Temperature coefficient	± 150 ppm/°C			

Mechanical Characteristics

Weight	105g	160g	220g	
Seal conditions	IP 33			

Environmental Characteristics

Storage temperature	-10°C ÷ + 50°C			
Operating temperature	-50°C ÷ + 200°C			
Clima class	50/200/56			

Material

Housing	Aluminium			
Cable standard	UL PTFE Aderleitung AWG16 style 1199, 200°C 600V			(2)
Cable optional	UL SIF GL Aderleitung AWG16 style 3071, 200°C 600V			
Cable optional	UL FEP Aderleitung AWG16 style 10203, 200°C 1000V			
Cable length standard	300 mm			(4)

Specifications subjects to change without notice.

(1) Surface temperature 250°C bei Kühlkörperfläche 250 cm²

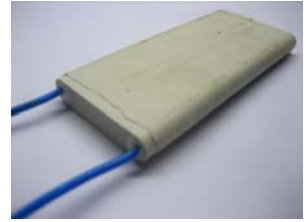
(2) Further values on request

(3) Time to reach the operating temperature by nominal power

(4) Further Length on request

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Power Resistor
Model: PWR-FL

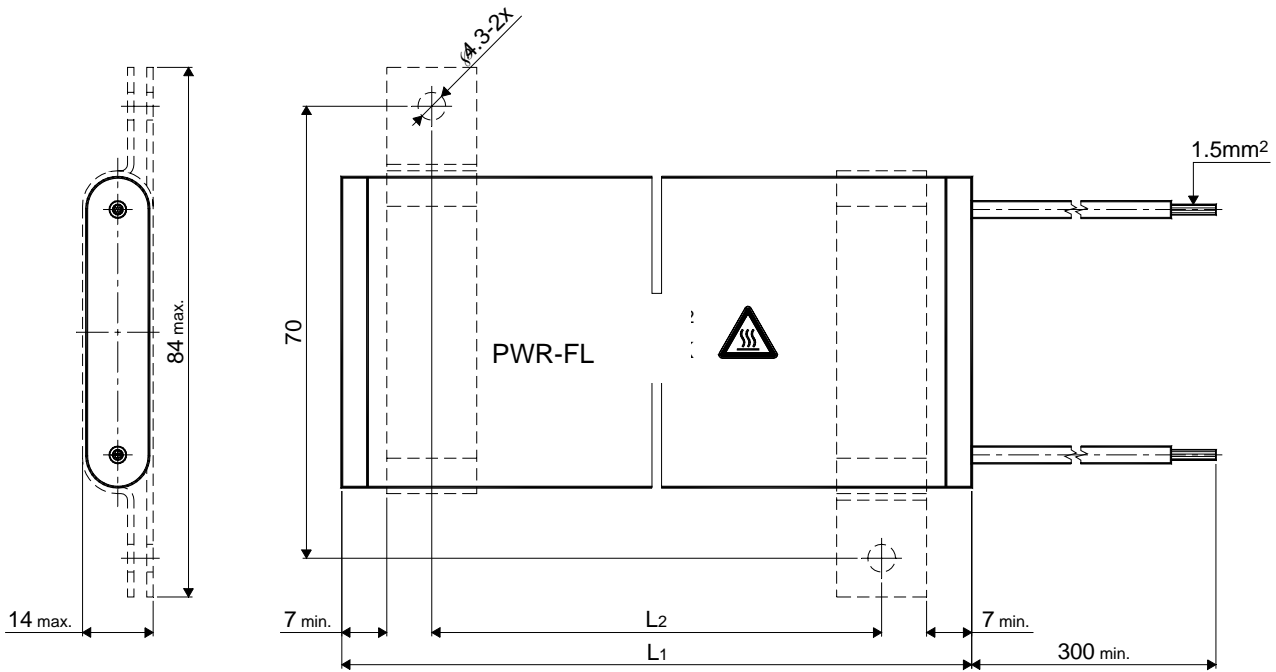


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Drawing (mm)

	FL 75	FL 115	FL 150
Length L ₁	100 mm	153 mm	206 mm
Dimension L ₂	15—72 mm	15—125 mm	15—178 mm



How to order

PWR FL 150 100 Ω 10% 300 mm Cable

Cable type and length, if different from standard
Resistor tolerance
Resistance Value
Power

Design

Specifications subject to change without notice