

Wire wound resistors for traction drive systems RDI

Characteristics



Description

Resistors are used as pre-charge, discharge and damping resistors in impulse systems. These are cement resistors, bifilar (non-inductive) wound with a resistance wire, enclosed in a housing made of an aluminum section.

Features

- Very good power/volume ratio
- Power applications up to 300W
- Non inductive
- Easy mounting
- RoHS compliant



Technical Specifications

Available Resistances	1; 7,5; 8; 10; 35; 50; 75
Tolerance	5%
Nominal Voltage	600V, 3000V
Power Rating (without heatsink)	50, 75, 200, 250, 300
Electric strength voltage*	2,5kV, 7kV
Max operating temperature	200°C

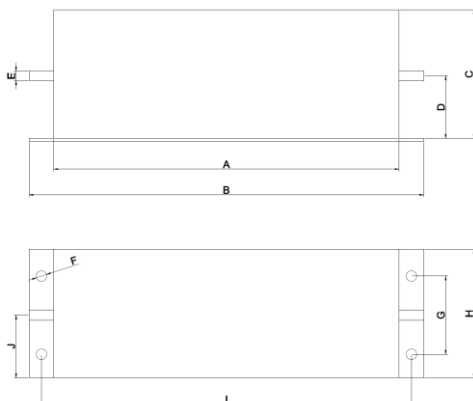
*poziom napięcia próby liczony wg wzoru $U_{pr} = 2xU_n + 1kV$

Napięcie pracy 600V - napięcie próby 2,5kV

Napięcie pracy 3000V – napięcie próby 7kV

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External dimensions



	Dimensions in [mm]									
	A	B	C	D	E	F	G	H	I	J
RDI-50	78	102	50	25	6	4	34	50	92	25
RDI-75	126	150	50	25	6	4	34	50	138	25
RDP-200	180	210	70	35	6	5	50	70	195	35
RDP-250	210	240	80	40	6	6,5	50	80	225	40
RDI-300	320	340	80	40	6	5	64	80	330	40
RDR-300	256	286	70	35	6	6,5	100	137	272	68,5

Ordering informations

Series	-	Power	-	Resistance	-	Tolerance
RDI		50 W 75 W 200 W 250 W 300 W		1 7,5 8 10 35 50 75		5 %

Example

RDI - 01 - 100 - 1R - 5 - 5/A

Resistor RDI, 100W, resistance 1Ω, tolerance ± 5%