DATASHEET
No. : 01032017-RXLG

Aluminum Housed Resistor

SIKES

Aluminum Housed Resistor

Descriptions

Spiral wire wound based on ceramic tubes with aluminum enclosure.

Model Rules: SKS - □□□□-□□□□ / □□□□

- Resistance
- Rated Power
- Series name
- Brand name

Product Features

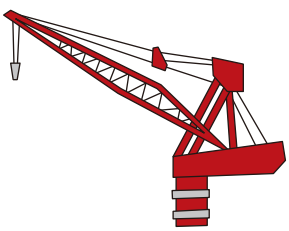
- Suitable for harsh environment;
- Aluminum enclosure with better protection ;
- Safer compared with open type wire wound resistor ;
- Long working life and high reliability ;
- Flexible for customize , can offer IP65 class protection ;
- High insulation class , use high Flame retardant inorganic material to assemble ;
- Excellent anti-vibration capability ;

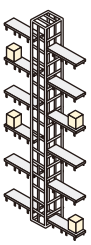
Material Specifications

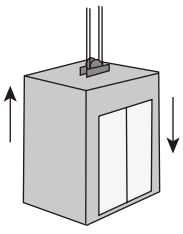
Element	Copper-nickel,nickel-chrome
Core	OCr25AL5
Enclosure	Aluminum
Standard terminals	Copper / Copper bar
Partmarking	Partnumber, value, date code, MRC

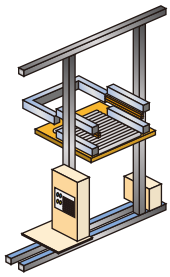
Applications:

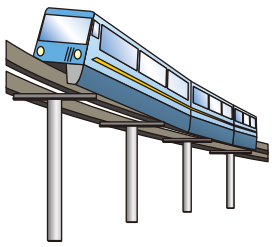
- Dynamic braking
- Motor Control
- Load Banks
- VFD/VSD/Servo Motor
- Cranes ,Hoists & Winches
- Conveyors
- Lifts & elevators

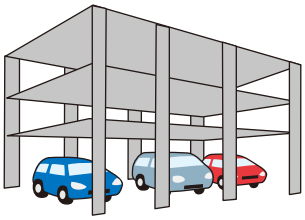








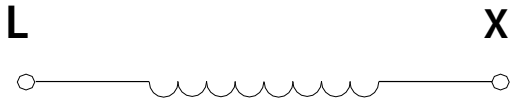




Technical Specifications

Power Range	60W~10KW
Voltage Range	<1.2KV
Resistance Range	1R~10KR
Dielectric Strength	AC 3KV 50Hz / 5S
IP Protection	IP 00 / IP 65
Vibration	1.5g
Temperature Coefficient	≦400ppm/℃
Production Standards	GB8898-2011

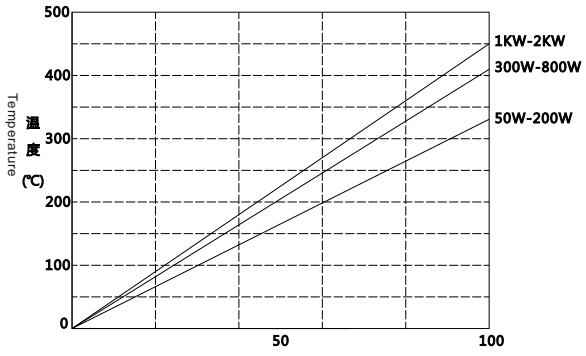
Electrical Schematic



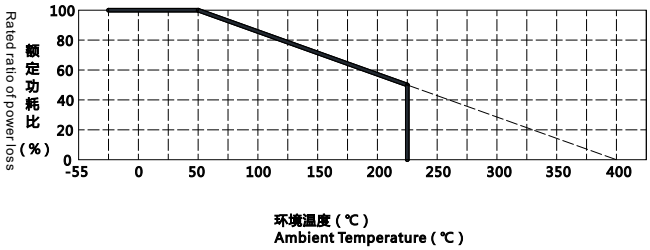
Performance Test

Test Item	Test Condition	Performance
TCR	Test resistance changing rate per degree vary +30℃~+100℃	±350PPM/℃
Short time overload	With 10 times rated power or max working voltage(lower value) for 5s	▵R≤±(2%R+0.05Ω)
Sn-heat	In the sn-tin of 350 ± 10℃ for 2~3s	▵R≤±(1%R+0.05Ω)
Solderability	In the Sn-tin of 245 ± 10℃ for 2~3s	
Temperature cycle	Under the 5 cycles of the -55℃ for 30 min, 125℃ for 10~15 min, and the 25℃ for 10~15 min	▵R≤±(1%R+0.05Ω)
Aging of Humidity	In the box of 40±2℃ and 90-95% humidity, with rated voltage or Max Working Voltage(Lower Value), total time 1000 hours(ON-1.5H, OFF-0.5H)	▵R≤±(5%R+0.05Ω)
Aging at Rated power	In the 70±2℃ test box , With the rated power or max working voltage(Lower value), total 1000hours(ON-1.5H, OFF-0.5H)	▵R≤±(5%R+0.05Ω)
Inflammability	With the 5/10/16 times rated power for 5mins	Noobviousflame

Surface Temperature Rise 表面温升



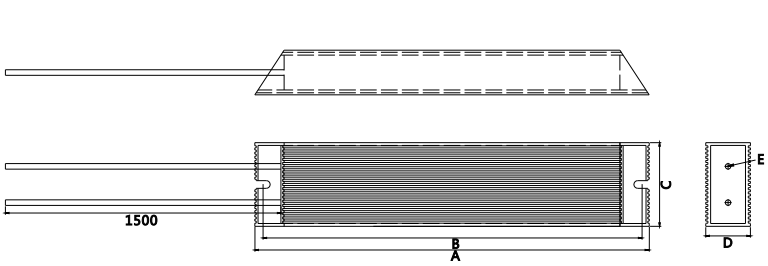
Derating Curve 降额曲线



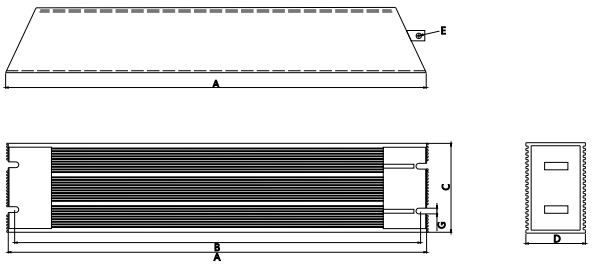
Selection Table

Type	Rated Power (w)	Picture NO.	Dimension(mm)							Cable (mm)	Lead length (mm)	Terminal	Weight (KG)	Resistance Range (Ω)	Commection
			A	B	C	D	E	F	G						
RXLG	60	A	110	95	40	20	5	/	/	1.5	300	2-5S	0.19	1Ω-10KΩ	Cable
RXLG	80		110	95	40	20	5	/	/	1.5	300	2-5S	0.19	1Ω-10KΩ	
RXLG	100		140	125	40	20	5	/	/	1.5	300	2-5S	0.19	1Ω-10KΩ	
RXLG	120		140	125	40	20	5	/	/	1.5	300	2-5S	0.21	1Ω-10KΩ	
RXLG	150		180	165	40	20	5	/	/	1.5	300	2-5S	0.24	1Ω-10KΩ	
RXLG	200		170	160	60	30	5	/	/	1.5	300	2-5S	0.5	1Ω-10KΩ	
RXLG	300		220	210	60	30	5	/	/	1.5	300	2-5S	0.5	1Ω-10KΩ	
RXLG	400		220	210	60	30	5	/	/	1.5	300	2-5S	0.53	1Ω-10KΩ	
RXLG	500		240	225	60	30	5	/	/	1.5	300	2-5S	0.78	1Ω-10KΩ	
RXLG	600		240	225	60	30	5	/	/	2.5	300	2-5S	0.78	1Ω-10KΩ	
RXLG	800		340	325	60	30	5	/	/	2.5	300	2-5S	0.96	1Ω-10KΩ	
RXLG	1000		400	390	60	30	5	/	/	2.5	300	2-5S	1.35	5Ω-10KΩ	
RXLG	1200		400	390	60	30	5	/	/	2.5	300	2-5S	3	5Ω-10KΩ	
RXLG	1500	B	400	390	85	55	5	30	5.5	Copper	/	M6	3	5Ω-10KΩ	Copper
RXLG	2000		400	390	85	55	5	30	5.5	Copper	/	M6	3	5Ω-10KΩ	
RXLG	2500		400	390	85	55	5	30	5.5	Copper	/	M6	3	5Ω-10KΩ	
RXLG	3000		450	440	85	55	5	30	5.5	Copper	/	M6	4.2	5Ω-10KΩ	
RXLG	3500		450	440	85	55	5	30	5.5	Copper	/	M6	4.2	5Ω-10KΩ	
RXLG	4000		550	540	85	55	5	30	5.5	Copper	/	M6	5	5Ω-10KΩ	
RXLG	5000	D	400	380	200	50	5	118	6×10	Copper	/	M6	-	5Ω-10KΩ	Copper
RXLG	6000		450	430	200	50	5	118	6×10	Copper	/	M6	-	5Ω-10KΩ	
RXLG	7000		550	530	200	50	5	118	6×10	Copper	/	M6	-	5Ω-10KΩ	
RXLG	8000		650	630	200	50	5	118	6×10	Copper	/	M6	-	5Ω-10KΩ	
RXLG	10000		750	730	200	50	5	118	6×10	Copper	/	M6	-	5Ω-10KΩ	

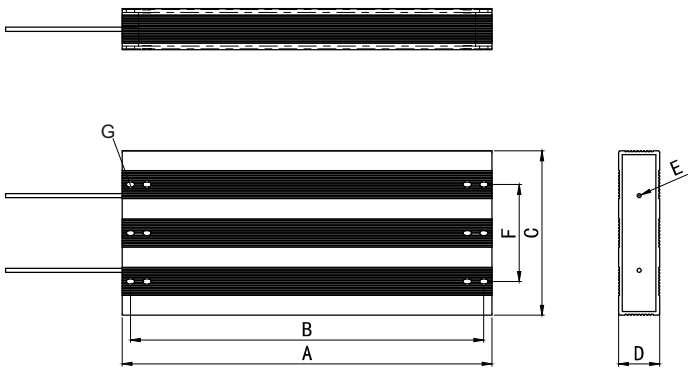
Product Size



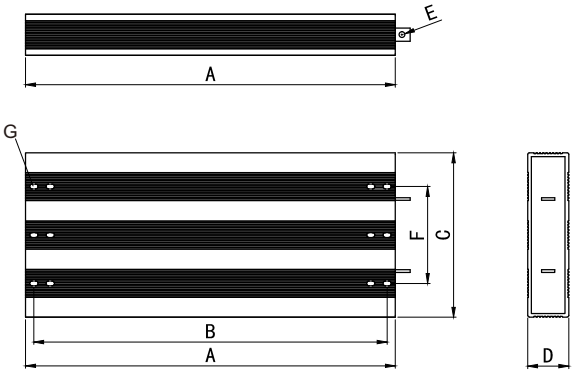
Picture A



Picture B



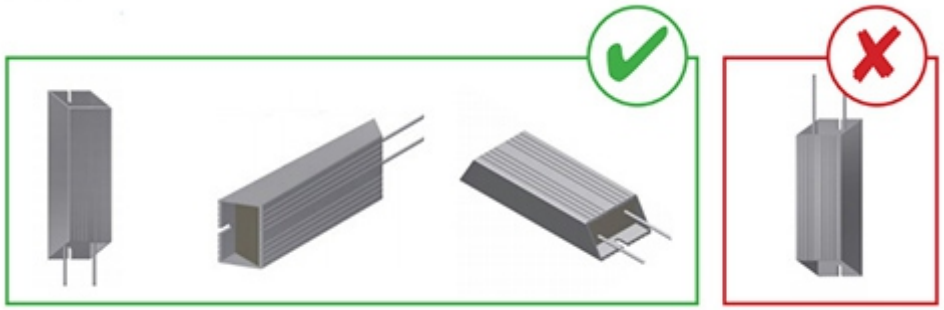
Picture C



Picture D

Installation Guidance

- Check the outlook of the resistor , see if there any damage;
- Connect the terminals with Inverter DC bus line.



Acceptable Orientation

Warning : Do not mount unit with leads pointing upwards

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