

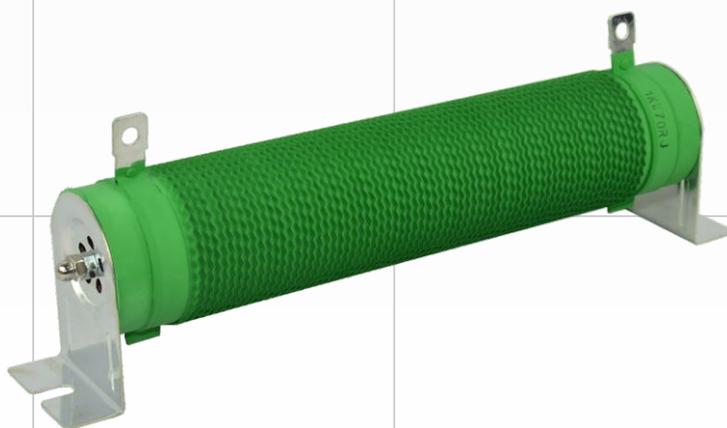
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station etc.

Wire Wound Resistor

Whole product portfolios of power braking solution can be offered.



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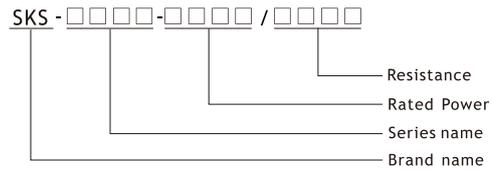
Wire Wound Resistor

Descriptions

Descriptions : Spiral wire wound based on ceramic tubes



Model Rules:



Product Features

- Resistance-alloy ribbon wire is coiled on edge and supported on specially designed porcelain insulators
- Open coil construction allows efficient heat dissipation and easily accommodates reasonable overloads
- Super economic and convenient solution for VFD braking

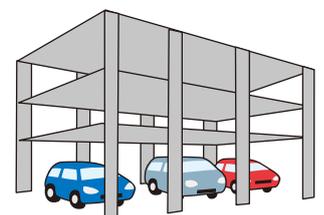
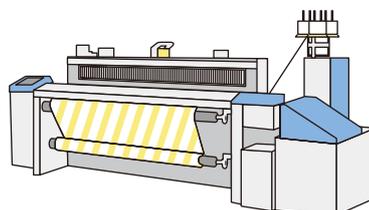
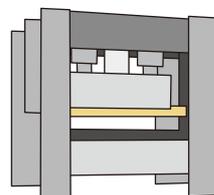
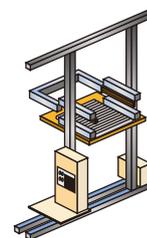
Material Specifications

Element	copper-nickel,nickel-chrome
Core	OCr25AL5
Coating	Insulation paint
Standard terminals	Galvanized steel
Part marking	Part number,value,date code,MRC



Applications:

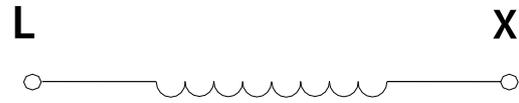
- Dynamic braking
- Motor Control
- Load Banks
- VFD/VSD/Servo Motor
- Cranes ,Hoists & Winches
- Conveyors
- Lifts & elevators
- Industrial robot control
- CNC
- Packing machine
- Printing



Technical Specifications

Power range	50w~15000w
Voltage Range	<1.2kv
Resistance Range	1R~10KR
Dielectric Strength	AC3KV 50HZ/5S
IP Protection	IP00
Production Standards	GB8898-2011

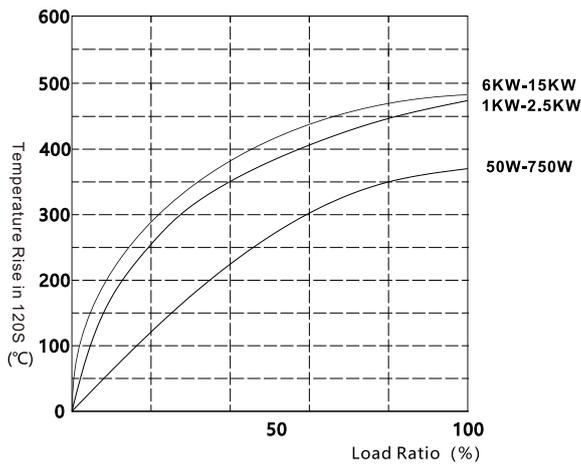
Electrical Schematic



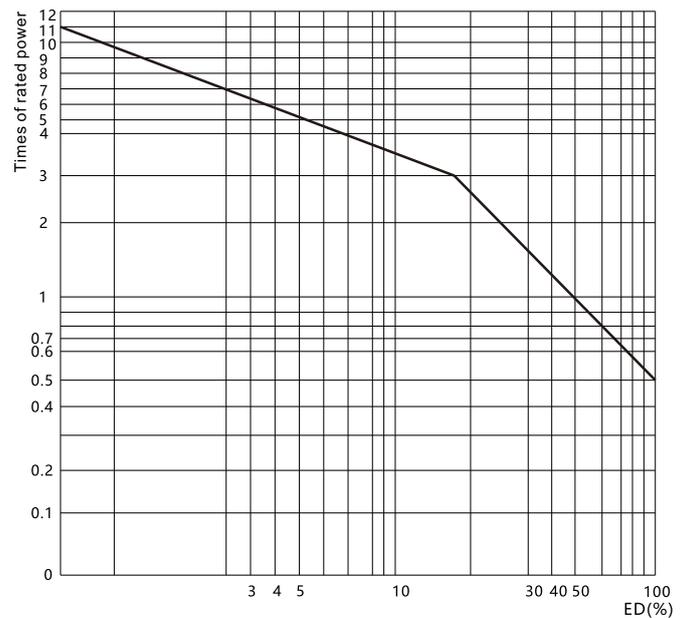
Performance Test

Test Item	Test Condition	Performance
TCR	Test resistance changing rate per degree vary 30°C~+100°C	±400PPM/°C
Short time overload	With 10 times rated power or max working voltage(lower value) for 5s	$\Delta R \leq \pm (2\%R + 0.05\Omega)$
Sn-heat	In the sn-tin of 350±10°C for 2~3s	$\Delta R \leq \pm (1\%R + 0.05\Omega)$
Solderability	In the Sn-tin of 245±10°C for 2~3s	$\Delta R \leq \pm (1\%R + 0.05\Omega)$
Temperature cycle	Under the 5 cycles of the -55°C for 30 min, 125°C for 10~15 min, and the 25°C for 10~15 min	$\Delta R \leq \pm (1\%R + 0.05\Omega)$
Aging of Humidity	In the box of 40±2°C and 90-95% humidity, with rated voltage or Max Working Voltage(Lower Value), total time 1000 hours(ON-1.5H, OFF-0.5H)	$\Delta R \leq \pm (5\%R + 0.05\Omega)$
Aging at Rated power	In the 70±2°C test box, With the rated power or max working voltage(Lower value), total 1000hours(ON-1.5H, OFF-0.5H)	$\Delta R \leq \pm (5\%R + 0.05\Omega)$
Inflammability	With the 5/10 times rated power for 5S	No obvious flame

Surface Temperature Rise

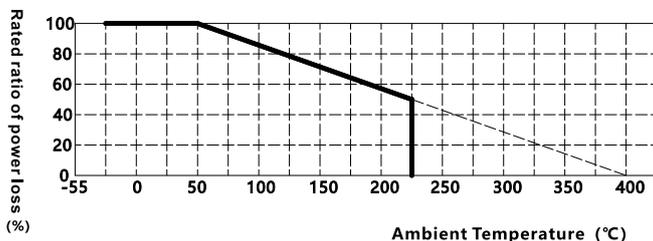


Overload capability and ED



Brake in cycle, time cycle: maximum 120S.

Derating Curve

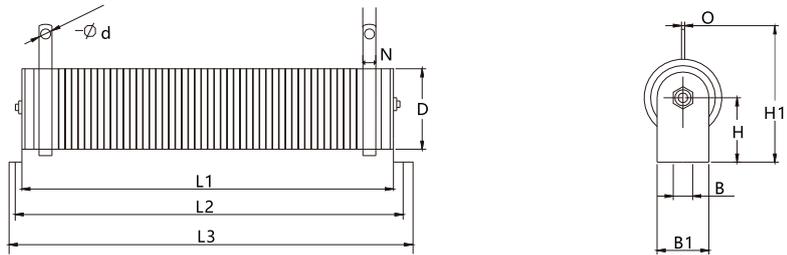


Selection Table

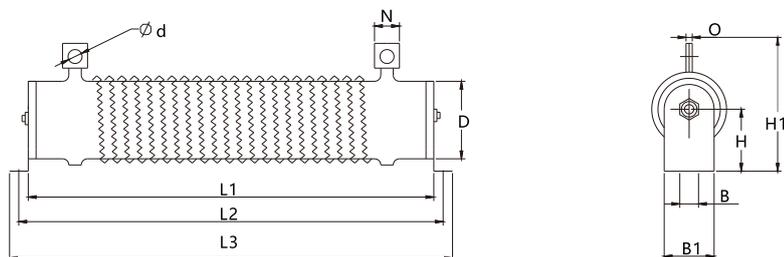
Type	Rated Power (w)	Picture NO.	Dimension(mm)											Weight (KG)	Resistance Range (Ω)	
			L1 (± 2)	L2 (± 5)	L3 (± 3)	D (± 2)	B	B1	H	H1 (± 3)	N	Φd	O			
RXG20	50	A	90	112	134	28	6.5	28	28	28	62	9.5	4.5	1.2	0.2	1 Ω -10K Ω
RXG20	60		90	112	134	28	6.5	28	28	28	62	9.5	4.5	1.2	0.2	1 Ω -10K Ω
RXG20	80		140	162	184	28	6.5	28	28	28	62	9.5	4.5	1.2	0.2	1 Ω -10K Ω
RXG20	100		170	192	214	28	6.5	28	28	28	62	9.5	4.5	1.2	0.2	1 Ω -10K Ω
RXG20	120		170	192	214	28	6.5	28	28	28	62	9.5	4.5	1.2	0.2	1 Ω -10K Ω
RXG20	150		215	235	241	28	6.5	28	28	28	62	9.5	5.5	2.0	0.4	1 Ω -10K Ω
RXG20	200		267	287	293	28	6.5	28	28	28	62	9.5	5.5	2.0	0.4	1 Ω -10K Ω
RXG20	300	B	260	290	328	40	8.0	40	45	90	10	4	1.2	0.55	1 Ω -10K Ω	
RXG20	400		300	330	360	40	8.0	40	45	90	10	4	1.2	0.65	1 Ω -10K Ω	
RXG20	500		300	334	370	50	8.0	50	45	100	10	4	1.2	0.85	1 Ω -10K Ω	
RXG20	600		330	360	390	50	8.0	50	45	100	10	4	1.2	1.0	1 Ω -10K Ω	
RXG20	800		300	334	365	60	8.0	60	55	114	15	6.5	2.0	1.78	1 Ω -10K Ω	
RXG20	1000		300	334	365	60	8.0	60	55	114	15	6.5	2.0	1.78	5 Ω -10K Ω	
RXG20	1200		420	445	475	60	8.0	60	55	114	15	6.5	2.0	1.96	5 Ω -10K Ω	
RXG20	1500		420	445	475	60	8.0	60	55	114	15	6.5	2.0	1.96	5 Ω -10K Ω	
RXG20	1800		420	445	475	60	8.0	60	55	114	15	6.5	2.0	1.96	5 Ω -10K Ω	
RXG20	2000		420	455	485	70	8.0	70	60	125	15	6.5	2.0	2.35	5 Ω -10K Ω	
RXG20	2500		420	455	485	70	8.0	70	60	125	15	6.5	2.0	2.35	5 Ω -10K Ω	
RXG20	3000		420	455	485	70	8.0	70	60	125	15	8.0	2.0	2.38	5 Ω -10K Ω	
RXG20	3500		510	550	570	70	8.0	70	60	125	15	8.0	2.0	2.8	5 Ω -1K Ω	
RXG20	4000		500	535	570	100	8.0	100	85	180	15	8.0	2.0	4.5	5 Ω -1K Ω	
RXG20	5000		500	535	570	100	8.0	100	85	180	15	8.0	2.0	4.5	5 Ω -1K Ω	
RXG20	6000		500	535	570	100	8.0	100	85	180	15	8.0	2.0	4.5	5 Ω -1K Ω	
RXG20	7000		650	685	720	100	8.0	100	85	180	15	8.0	2.0	6.2	5 Ω -1K Ω	
RXG20	8000		700	735	770	100	8.0	100	85	180	15	8.0	2.0	6.5	5 Ω -1K Ω	
RXG20	9000		700	735	770	100	8.0	100	85	180	15	8.0	2.0	6.5	5 Ω -1K Ω	
RXG20	10000		600	655.5	696	150	8.0	150	108	228	18	8.0	2.0	16.0	5 Ω -1K Ω	
RXG20	12000		600	655.5	696	150	8.0	150	108	228	18	8.0	2.0	16.0	5 Ω -1K Ω	
RXG20	15000	600	655.5	696	150	8.0	150	108	228	18	8.0	2.0	16.0	5 Ω -1K Ω		

Product Size

Picture A



Picture B



■ Product Legal Disclaimer

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