

RCH

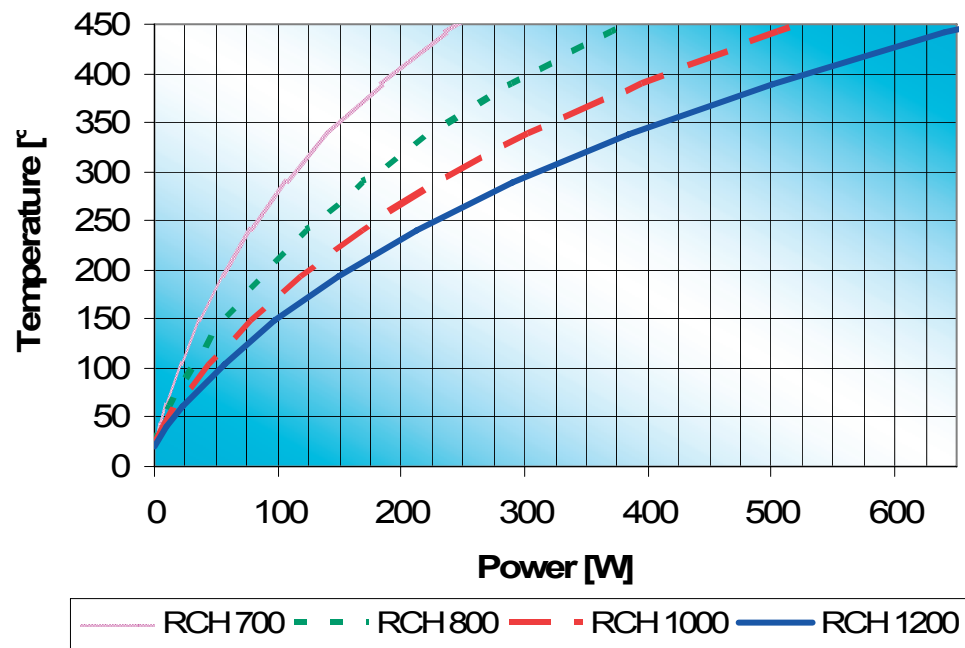
IP 56 – HIGH VOLTAGE



MAIN FEATURES	
<i>DESCRIPTION</i>	SHORT CIRCUIT AND PROTECTION RESISTOR
<i>MARKET</i>	PRODUCT DESIGNED FOR RAILWAYS APPLICATIONS
<i>MAIN CONSTRUCTIVE DATA</i>	HIGH INSULATION MATERIAL CASE AISI304 FAILSAFE
<i>MAIN FEATURES</i>	PROTECTION RESISTORS CHARGE AND DISCHARGE OF CAPACITORS CROWBAR - FILTERS
<i>SPECIAL VERSIONS</i>	Not-inductive, special insulation

ELECTRICAL CHARACTERISTICS							
Parameter	condition	ID	Unit	RCH 700	RCH 800	RCH 1000	RCH 1200
Max power (not continuous)		P_{max}	W	350	400	500	600
Surface resistor temp.	$\theta_a=25^{\circ}\text{C}$	T_{max}	$^{\circ}\text{C}$	500	450	440	420
Continuous nominal power		P_{nom}	W	90	125	180	220
surface resistor temp.	$\theta_a=25^{\circ}\text{C}$	T_{nom}	$^{\circ}\text{C}$	250			
Min resistance		R_{min}	Ω	0.2	0.2	0.32	0.45
Max resistance		R_{max}	Ω	25K	25K	25K	50K
Resistance tolerance			%	± 5			
Min res. not-inductive version		R_{ind}	Ω	4	4	4	4
Temp. Coefficient Resistance		TCR	$10^{-6}/^{\circ}\text{C}$	20÷450			
Limit voltage		V_{lim}	V	4.000			
Dielectric strenght	50Hz; 60"	V_{iso}	V_{rms}	12.000			
Insulation resistance	1.000 VDC	R_{iso}	$M\Omega$	≥ 1.000			
Max Overload	10"	P_{10}	W	7.000	8.000	10.000	12.000
	0,5"	$P_{0,5}$	KW	9	9	14	20
Thermal time constant		τ	sec	900			

POWER DISSIPATION – SURFACE TEMPERATURE CHARACTERISTIC



MECHANICAL DATA				
Dimensions [mm]	RCH 700	RCH 800	RCH 1000	RCH 1200
A	250	300	360	450
B	140	220	300	380
Weight [gr]	2.950	3.300	3.800	4.650

