



#### MAIN FEATURES

<b>Description</b>	RDP resistors are extremely strong and suitable to withstand heavy overloads and high energetic adiabatic pulses. Wire is wound on ceramic supports fixed on a metallic bracket.
<b>Market</b>	Industrial Automation, Energy Conversion
<b>Applications</b>	Dynamic braking, Charge Discharge Capacitors, Load bank
<b>Mechanical characteristics</b>	Protection Degree IP00, Trapezoidal metallic bracket in galvanised iron
<b>Special version</b>	Not-inductive, Multiple sections, Adjustable, Intermediate grip
<b>Active materials</b>	Available: CuNi44, Nickel-Chrome Alloys
<b>Notes</b>	Suitable for group mounting and forced cooling
<b>Overload conditions</b>	Overload P <sub>0.5</sub> refers to the lowest possible ohmic value indicated in the table Please contact our technical dept to submit load condition in order to identify the correct model
<b>Nominal power</b>	Nominal power depends on the used wire's diameter and alloy

Parameter	Condition	ID	Unit	Value
Nominal power	T <sub>a</sub> =25°C	P <sub>nom</sub>	Kw	see table
Min resistance	T <sub>a</sub> =25°C	R <sub>min</sub>	Ω	see table
Max resistance	T <sub>a</sub> =25°C	R <sub>max</sub>	Ω	see table
Surface resistor temp.	T <sub>a</sub> =25°C	T <sub>nom</sub>	°C	400
Resistance tolerance	T <sub>a</sub> =25°C		%	±10
Temp. Coefficient Resistance		TCR	10 <sup>-4</sup> /°C	20÷240
Dielectric strenght	50Hz; 60"	V <sub>iso</sub>	V <sub>rms</sub>	2.500
Insulation resistance	1.000 VDC	R <sub>iso</sub>	MΩ	> 1.000
Max Overload	120"	P <sub>120</sub>	W	2xP <sub>nom</sub>
	10"	P <sub>10</sub>	W	5xP <sub>nom</sub>
	5"	P <sub>5</sub>	W	10xP <sub>nom</sub>
	0,5"	P <sub>0.5</sub>	kW	see table

#### ELECTRICAL CHARACTERISTICS AND MECHANICAL DATA

ID Unit	P <sub>nom</sub> kW	R <sub>min</sub> Ω	R <sub>max</sub> Ω	P <sub>0.5</sub> kW	Dimensions						Weight [gr]
					A [mm]	I [mm]	L [mm]	P [mm]	H [mm]	H1 [mm]	
RDP 240	0.6÷0.7	0,8	12	56	8	220	240	25	110	75	1.400
RDP 300	1÷1.5	2	30	140	8	280	300	45	190	135	1.800
RDP 420	2.2÷3	3,5	50	245	10	390	420	45	190	135	2.400
RDP 540	3.1÷4	4,8	70	340	10	510	540	45	190	135	3.000
RDP 540S	3.6÷4.8	7	80	490	10	510	540	45	250	195	4.000
RDP 600	1÷1.5	1,5	30	105	8	290	310	25	145	110	1.800
RDP 900	2.2÷3.0	1,8	50	125	8	290	310	25	170	135	2.500
RDP 1300	1÷1.5	2,3	90	160	11	280	310	55	200	160	2.800
RDP 2200	1.3÷2.2	3,7	120	260	11	380	410	55	200	160	3.400
RDP 3000	2÷3	4,3	150	300	11	380	410	55	230	190	3.500
RDP 4000	2.8÷4	5,2	180	360	11	380	410	55	260	230	3.600
RDP 5000	3.2÷5	8,5	210	600	11	570	600	55	260	230	4.200

#### DRAWINGS

Model 240 ÷ 900

Model 1300 ÷ 5000

