



N. 571020

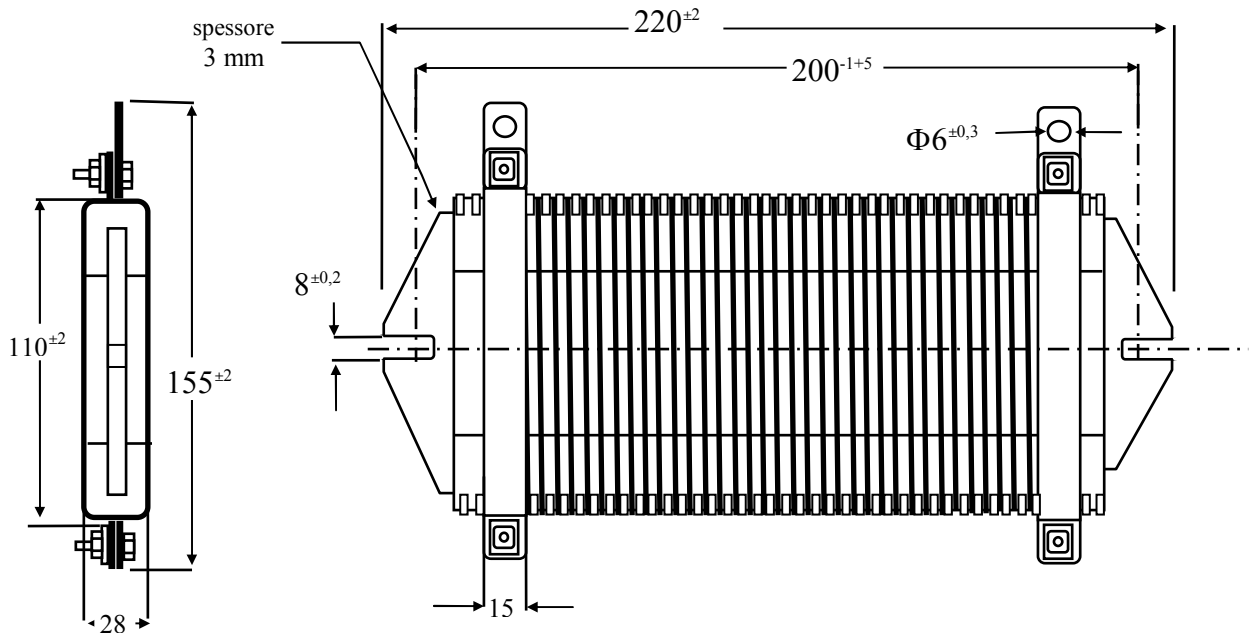
SPECIFICA MATERIALE

Approval Walter Cerutti
 Verified Mauro Pellegatta
 Revision 2 22/10/04
 Emission DT 28.3.1997

foglio 1 di 1

RESISTORE DI POTENZA
 AVVOLTO SU TELAIO METALLICO
 Mod. RDP600

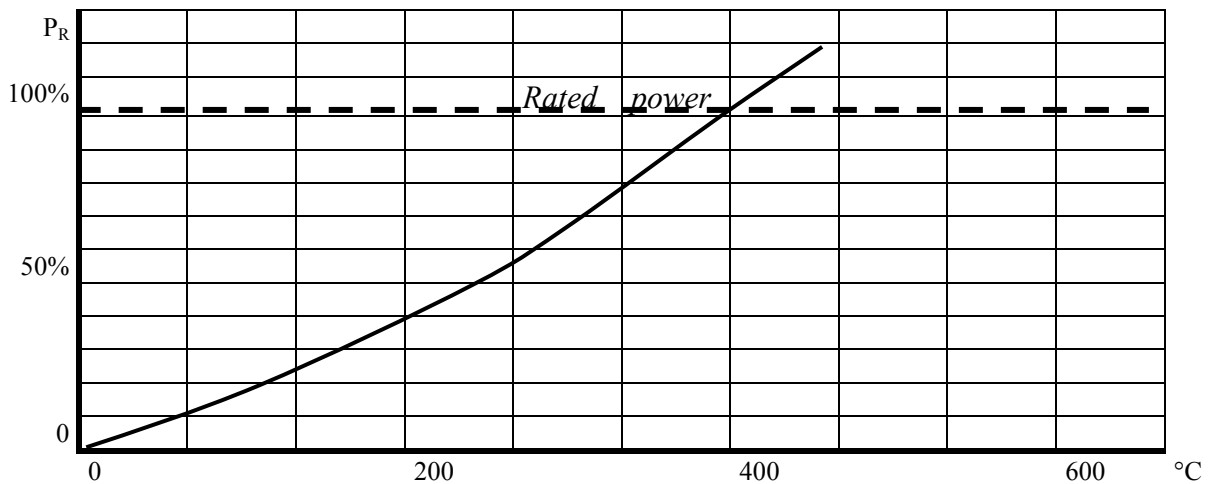
POWER RESISTOR WOUND ON
 METALLIC FRAME
 Mod. RDP600



1. Potenza nomin. a 25°C (P _R)	600 W	Rated power @ 25°C(P _R)
2. Temperatura superficiale @ P _R	375°C	Surface temperature @ P _R
3. Gamma dei valori resistivi	0,22÷24 Ω	Resistance range
4. Tolleranza	±5% 10%	Resistance tolerance
5. Temperatura superficiale ammessa	450°C	Surface temperature limit
6. Tensione Limite (impulsiva)	1.500 V	Limiting element voltage (impulse)
7. Sovraccarico	6 kW x 5 sec	Overload
8. Coefficiente di temperatura	150 ppm/°C	Temperature coefficient

9. Incremento della temperatura superficiale
 in funzione del carico

Surface temperature rise related to
 power dissipation.



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N. 571096

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FOGLIO DATI DATA SHEET

Approvaz. Walter Cerutti
Verifica Mauro Pellegatta

Revisione1 14/02/05

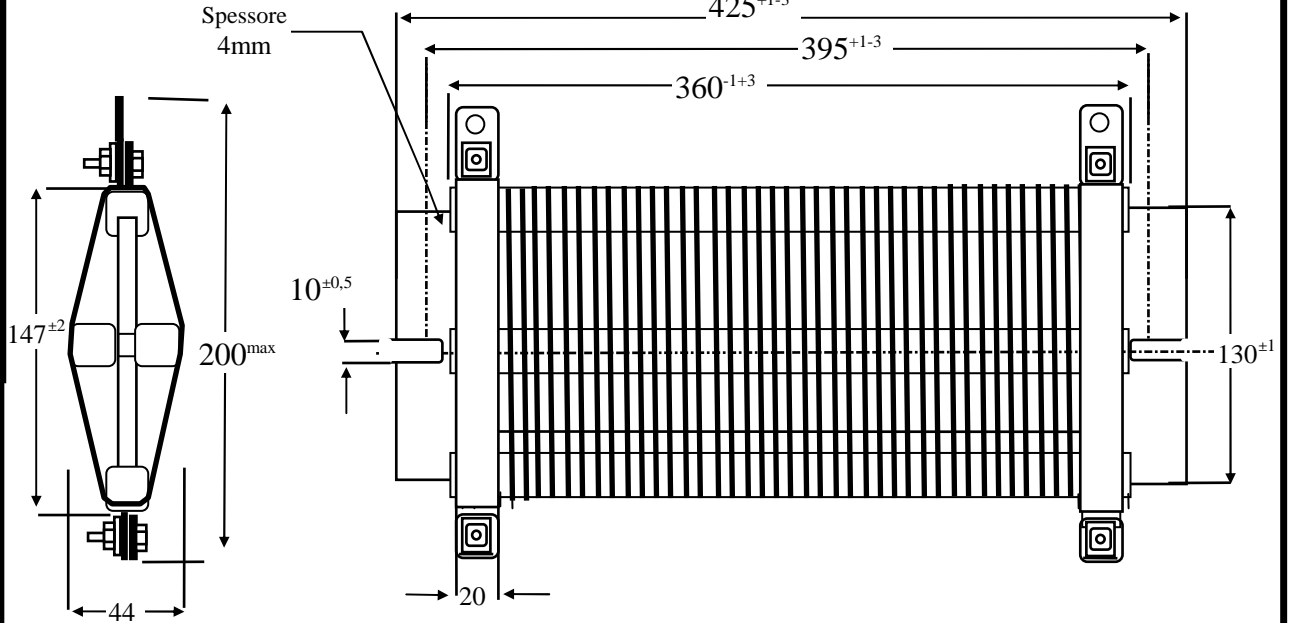
Emissione DT 14/02/03

RESISTORE DI POTENZA AVVOLTO SU TELAIO METALLICO

POWER RESISTOR WOUND ON METALLIC FRAME

Mod. RDP2200

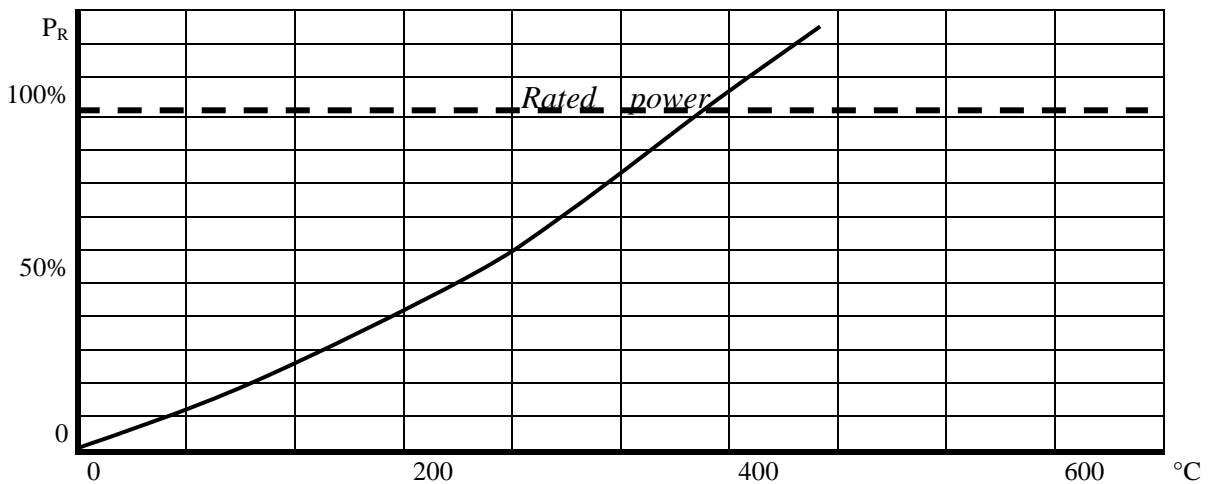
Mod. RDP2200



1. Potenza nomin. a 25°C (P _R)	2500 W	Rated power @ 25°C(P _R)
2. Temperatura superficiale @ P _R	375°C	Surface temperature @ P _R
3. Gamma dei valori resistivi	0,3÷80	Resistance range
4. Tolleranza	±5%	Resistance tolerance
5. Temperatura superficiale ammessa	450°C	Surface temperature limit
6. Tensione Limite (impulsiva)	4.000 V	Limiting element voltage (impulse)
7. Sovraccarico	25kW x 5 sec	Overload
8. Coefficiente di temperatura	150 ppm/°C	Temperature coefficient

9. Incremento della temperatura superficiale
in funzione del carico

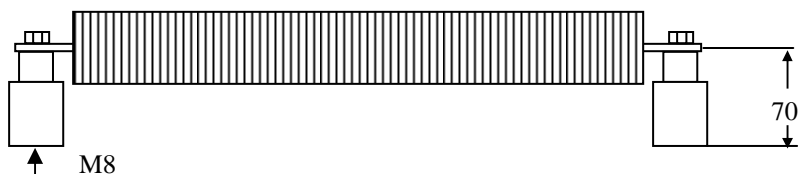
Surface temperature rise related to
power dissipation.



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Insulated Supports





N. 570310

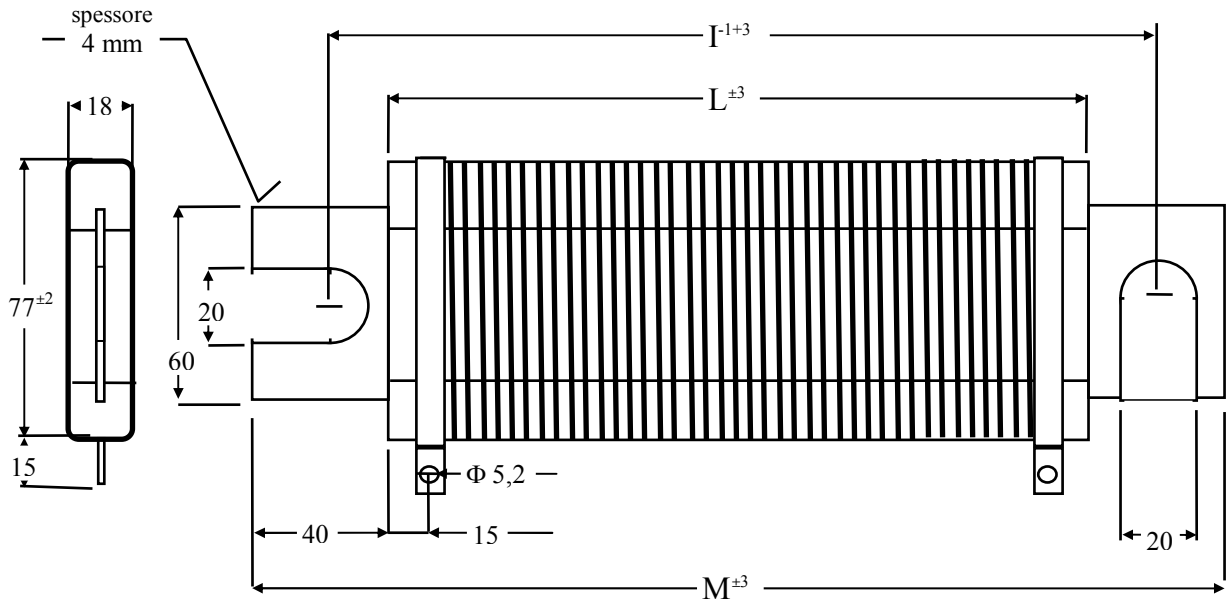
foglio 1 di 2

FOGLIO DATI
DATA SHEET

Approval Walter Cerutti
Verified Mauro Pellegatta

Revision 2 21.5.1998
Emission DT 16.01.96

HIGH POWER WIRE WOUND RESISTORS ON METALLIC BAR
Mod. RDP



1. SPECIFICATION

Dimensions	RDP 70.240	RDP 70.300	RDP 70.360	RDP 70.420	RDP 70.480
I mm	280	340	400	460	520
L mm	240	300	360	420	480
M mm	320	380	440	500	560

The SIR RDP style is a range of high power resistors, designed to obtain very high power resistors groups by stacking many resistor units.

These characteristics make the resistors RDP very valuable for the applications where high reliability is required even in heavy duties as:

- dynamic braking
- capacitor charge limiting
- snubber resistors
- inverter
- traction general employment

The rated power of RDP is especially elevated, and this characteristic is obtained by using special materials able to withstand temperature higher than 600°C, without damage.

The support bar may be supplied in stainless steel, on request.

This Data sheet will provide, with the necessary pieces of information and application notes, for a first definition of a required resistor.

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N. 570310

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FOGLIO DATI DATA SHEET

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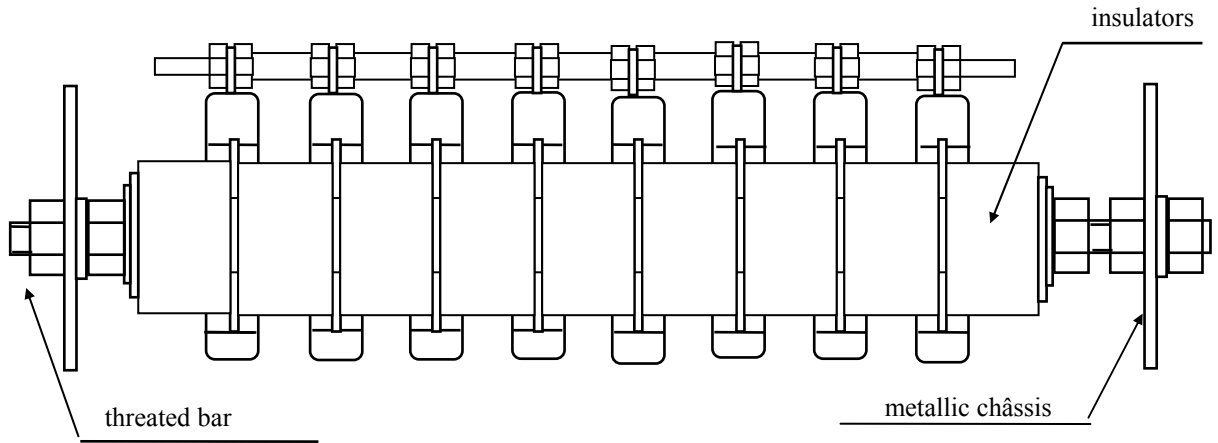
Revision 2 21.5.1998
Emission DT 16.01.96

2. ELECTRICAL SPECIFICATIONS

CHARACTERISTICS	RDP 70.240	RDP 70.300	RDP 70.360	RDP 70.420	RDP 70.480
Power rating (Pn) W	600	750	900	1050	1200
Surface temperature rise @ Pn °C	365°C	375°C	375°C	380°C	380°C
Max.Power W	700	850	1050	1250	1600
Resistance range Ω	1 ÷30	1 ÷38	1 ÷45	2 ÷54	2 ÷61
Tolerance for Resistance values	±5%				
Inductance @ 1.000 Hz μH (Stainless steel bar execution only)	60÷600	70÷750	80÷900	90÷1000	100÷1200
Limiting element voltage V	3.500				
Insulation resistance @ 1000 V _{DC}	≥10.000 MΩ				
Dielectric strength @ 50Hz per l'	4.000Vrms.				

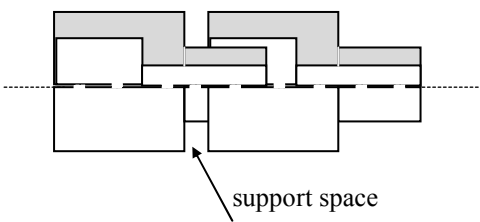
3. STACKING

The following sketch give a idea how to stack some resistors units to achieve a group.

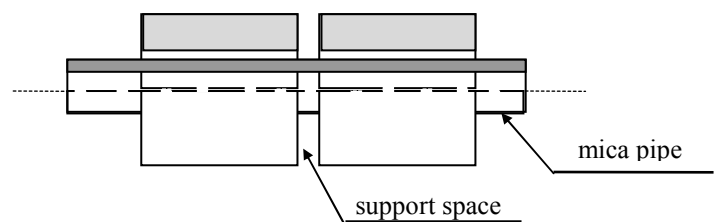


Insulators may be like the following figure.

Dielectric strength 6000V.



Dielectric strength 12000V



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N. 571300

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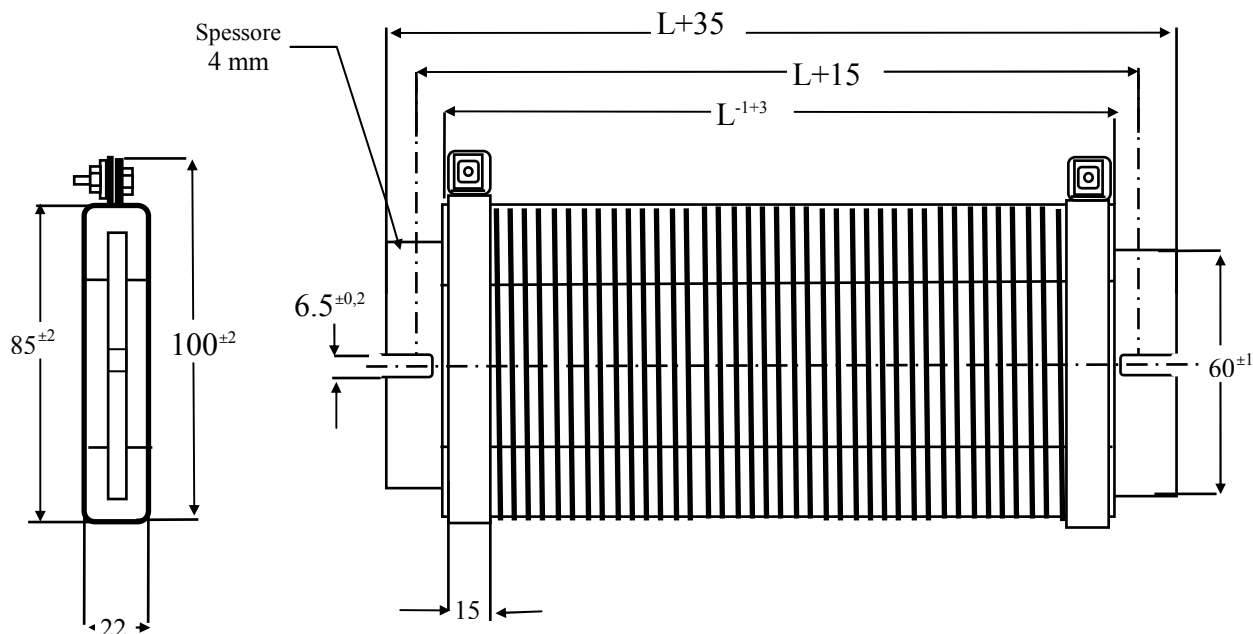
DATA SHEET

FOGLIO DATI

Approval Walter Cerutti
 Verified Mauro Pellegatta
 Revision 0 13/11/00
 Emission DT 13/11/00

RESISTORE DI POTENZA AVVOLTO SU TELAIO METALLICO

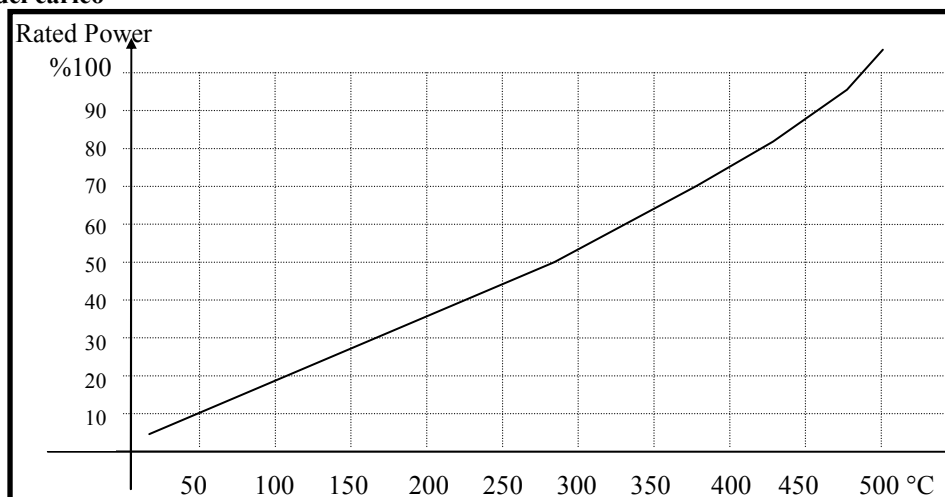
HIGH POWER WIRE WOUND RESISTOR ON METALLIC BAR



1. Caratteristiche elettriche	RDP 800	RDP 1000	RDP 1200	RDP 1400	RDP 1600	RDP 1800	Electrical Characteristics
Dimensione "L" mm	240	300	360	420	480	540	Dimension "L" mm
1.1. Gamma valori resistivi	0,5Ω 30 Ω	0,6 39Ω	0,75Ω 47Ω	0,9Ω 52 Ω	1,2Ω 60Ω	1,8 68Ω	Resistance range .
1.2. Tolleranza	±10% - ±5%						Tolerance.
1.3. Coefficiente di temperatura	150 ppm/°C						Temperature coefficient ..
1.4. Potenza nominale @ 25°C	800 W	1000 W	1200 W	1400 W	1600 W	1800 W	Power rating
1.5. Tensione limite	950V	1050 V	1150 V	1250 V	1350 V	1400 V	Limiting element voltage
1.6. Rigidità dielettrica (1'@ 50Hz)	3000 V						Dielectric strength.
1.7. Resist. di isolamento	≥1000MΩ						Isolation resistance.

2. Aumento della temperatura superficiale in funzione del carico

Surface temperature rise . related to power dissipation .



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N. 571200A

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FOGLIO DATI
DATA SHEET

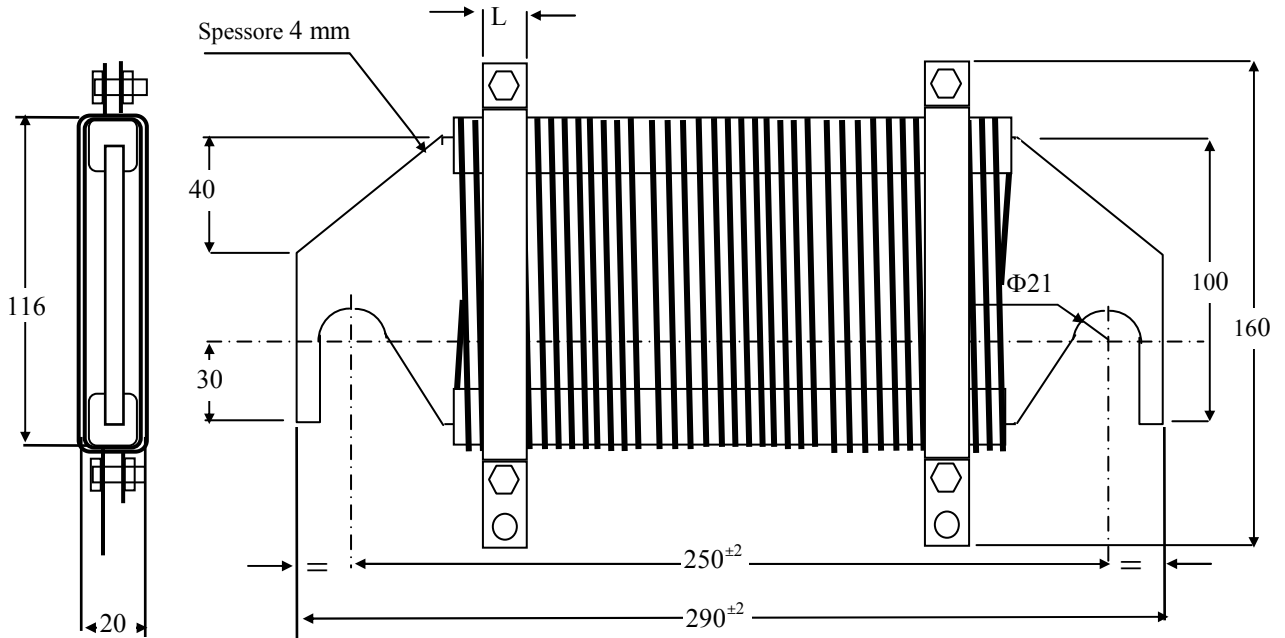
Approvaz. Walter Cerutti
Verifica Mauro Pellegatta

Revisione0 27/09/05

Emissione DT 27/09/03

RESISTORE REGOLABILE
AVVOLTO SU TELAIO METALLICO
Mod. RDPR900S

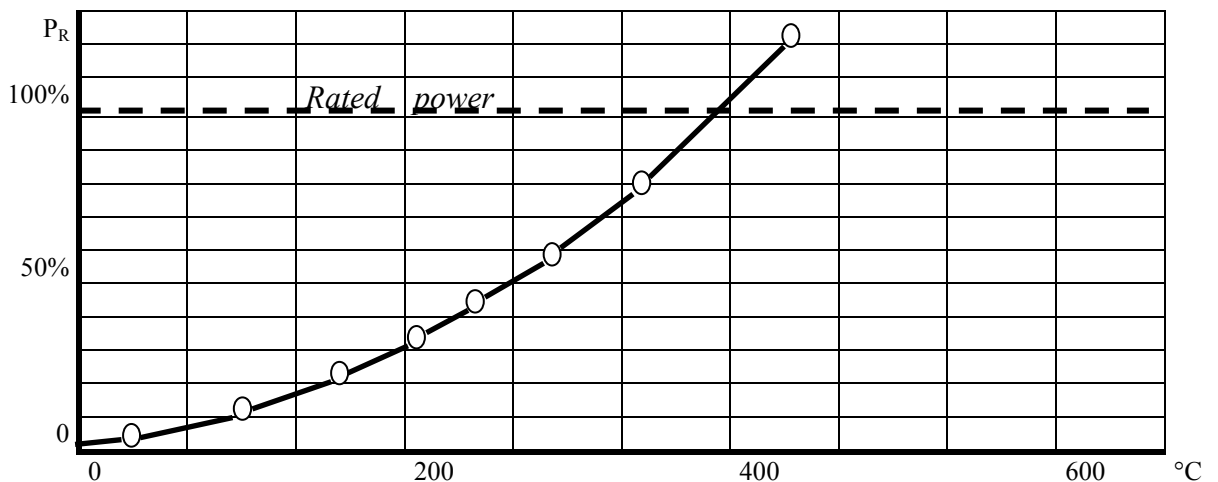
ADJUSTABLE RESISTOR WOUND
ON METALLIC FRAME
Mod. RDPR900S



1. Potenza nomin. a 25°C (P_R)	900 W	Rated power @ 25°C (P_R)
2. Aumento della Temperatura superficiale @ P_R	375°C	Surface temperature rise @ P_R
3. Gamma dei valori resistivi	0,2 ÷ 100 Ω	Resistance range
4. Tolleranza	±5%	Resistance tolerance
5. Temperatura superficiale ammessa	450°C	Surface temperature limit
6. Tensione Limite	1.500 V	Limiting element voltage
7. Sovraccarico	50 kW x 5 sec	Overload
8. Coefficiente di temperatura	150 ppm/°C	Temperature coefficient

9. Incremento della temperatura superficiale
in funzione del carico

Surface temperature rise related to
power dissipation.



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