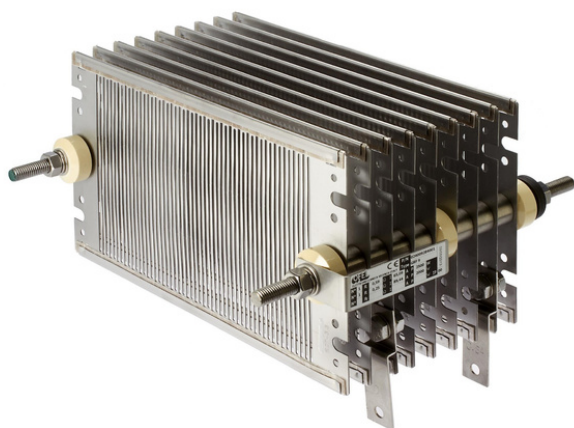




RESISTORS FOR EARTHING MODEL RMT_GRF

GENERAL CHARACTERISTICS

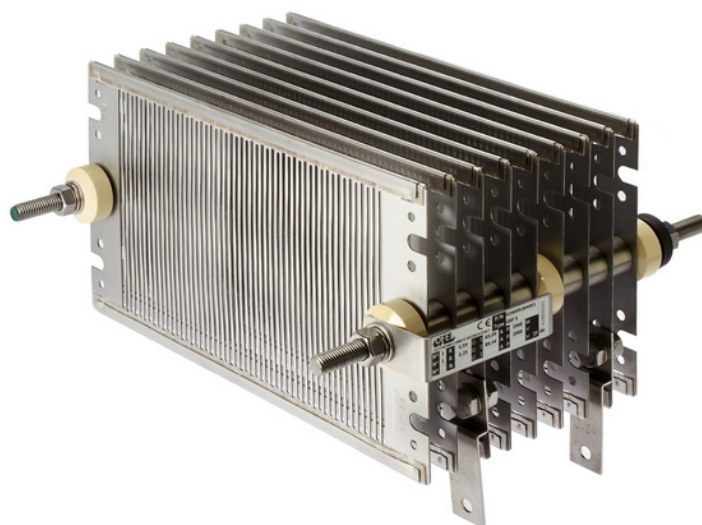
Open-construction resistor (IP00) consisting of grid elements assembled in banks; the specific configuration of the individual elements gives the system high mechanical strength, making it suitable for use even in those applications where vibrations or shaking may occur.

The high mass of the active parts makes the GRF model the ideal resistor whenever large amounts of energy need to be absorbed in a short time, as is precisely the case in systems for earthing the star point of transformers or generators.

This model is available for systems with insulation voltage up to 1000V in standard construction, or for systems up to 36kV with appropriate subdivision into banks and the application of suitable ceramic post insulators.

The main characteristic that sets it apart from the GRJ model is its compactness, which allows it to be installed even where the available space is particularly limited.

Special constructions in a protected box with a higher degree of protection, which can be equipped with electrical control and protection devices (current transformers, overcurrent relays, etc...), are available on request



ELECTRICAL CHARACTERISTICS

Standard tolerance	± 10%
Temperature coefficient	≤ 570 ppm/°C
Insulation voltage	According to the request
Insulation resistance	> 100 Mohm (500 Vdc)
Working temperature limit	-30 °C / +500 °C (800 °C for pulses depending on the alloy used)
Degree of protection	IP 00

OPTIONAL

Possibility of providing fixed intermediate taps.

Non-standard tolerances.

Construction in a protected box with a degree of protection higher than standard.

Special constructions in a protected box, which can be equipped with electrical control and protection devices (current transformers, overcurrent relays, etc...).

Special constructions in a protected, force-ventilated box.

Possibility of an enclosure with powder coating, different RAL shades on request.

ACCESSORIES

Supplied as standard equipment: ceramic insulators according to the insulation level

TECHNICAL CHARACTERISTICS

TYPE	P _N (*)	RESISTANCE Range of values (**)	INSULATION VOLTAGE	WEIGHT (***)	NOMINAL DIMENSIONS [mm]	
	[W]	[Ω]	[V]	[kg]	A	øf
RMT 12 GRF	6000	From 0.022 to 56	≤ 690	8	400	8.5
RMT 18 GRF	9000	From 0.022 to 84	≤ 690	12	500	8.5
RMT 22 GRF	11000	From 0.022 to 100	≤ 690	14	600	8.5
RMT 30 GRF	15000	From 0.022 to 140	≤ 690	18	800	8.5
RMT 36 GRF	18000	From 0.022 to 165	≤ 690	24	950	8.5

(*) Values referred to a maximum ambient temperature of 40°C with free air circulation

(**) Non-standard ohmic values can be produced on request

(***) The weight is to be considered as an average value; the actual weight may differ from the one indicated depending on the type of connection

NOTE: Resistor packs can be produced with a customised number of grids, dimensioned according to the type of use, with minimum steps of 500 W

NOMINAL DIMENSIONS AND TOTAL WEIGHT OF INSULATORS				
	Insulation V= 7.2/20/60 kV	Insulation V= 12/28/75 kV	Insulation V= 17.5/38/95 kV	Insulation V= 24/50/125 kV
B [mm]	95	130	175	210
ØD [mm]	60	60	60	75
P [kg]	3	4	6	10

DIMENSIONAL CHARACTERISTICS

