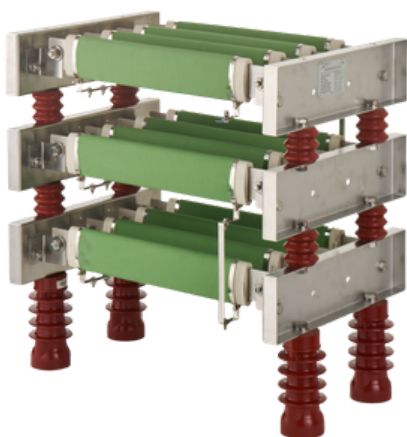


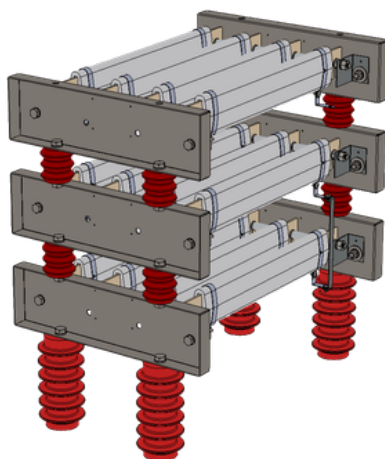


RESISTORS FOR EARTHING MODEL RMT_RCE

GENERAL CHARACTERISTICS

Open-construction resistor (IP00) consisting of elements wound with wire on a ceramic core and assembled in banks; this type of resistor is suitable for use in industrial environments with a limited level of vibration. The cementing applied to the winding ensures an overall solidity that makes it particularly suited to overload operation, typical of the earthing of the star point of transformers or generators, and at the same time guarantees good protection against polluting agents.

In applications where a low inductance value is required, an Ayrton Perry type winding can be provided. 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 GRF and GRJ models is the possibility of reaching high ohmic values with a limited number of elements; this is an advantage in installations characterized by high voltage-to-earth levels and low fault currents, for which a large number of grid elements would otherwise be necessary. 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	± 5%
Temperature coefficient	≤ 100 ppm/°C
Insulation voltage	According to the request
Insulation resistance	> 1 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

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 and/or voltage 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 RMT_RCE 1200

TYPE	P _N (*)	RESISTANCE Range of values (**)	WEIGHT (***)	Electrical connection	NOMINAL DIMENSIONS [mm]							
	[W]	[Ω]	[kg]		A	C	E	H	H1	H2	H3	H4
RMT 3 RCE	3600	From 3 to 150,000	5.5	On M5 screw	300	570	220	115				
RMT 4 RCE	4800	From 3 to 150,000	7	On M5 screw	410	570	220	115				
RMT 6 RCE	7200	From 3 to 150,000	13	On M5 screw	300	570	220		290			
RMT 8 RCE	9600	From 3 to 150,000	16	On M5 screw	410	570	220		290			
RMT 9 RCE	10800	From 3 to 150,000	20.5	On M5 screw	300	570	220			465		
RMT 12 RCE	14400	From 3 to 150,000	25	On M5 screw	410	570	220			465		
RMT 12 RCE	14400	From 3 to 150,000	28	On M5 screw	300	570	220				640	
RMT 15 RCE	18000	From 3 to 150,000	35.5	On M5 screw	300	570	220					815
RMT 16 RCE	19200	From 3 to 150,000	34	On M5 screw	410	570	220				640S	
RMT 20 RCE	24000	From 3 to 150,000	43	On M5 screw	410	570	220					815

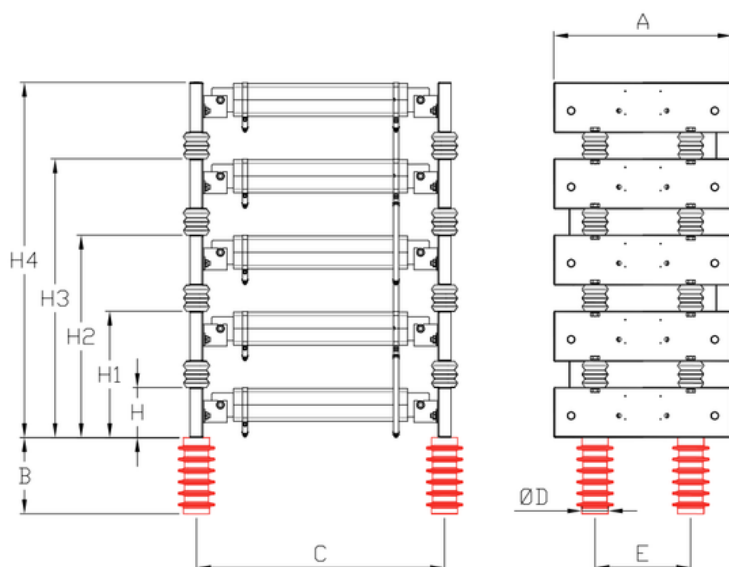
(*) Continuous power, values referred to a maximum ambient temperature of 40°C with free air circulation

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

(***) The weight is to be considered as an average value and without base support insulators

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	Insulation V= 36/70/170 kV
B [mm]	95	130	175	210	310
ØD [mm]	82	75	83	80	80
P [kg]	2.2	3.2	4.4	4.4	7.2
Screw [mm]	M12	M16	M16	M16	M16

DIMENSIONAL CHARACTERISTICS



TECHNICAL CHARACTERISTICS RMT_RCE 1600

TYPE	P _N (*)	RESISTANCE Range of values (**)	WEIGHT (***)	Electrical connection	NOMINAL DIMENSIONS [mm]							
	[W]	[Ω]	[kg]		A	C	E	H	H1	H2	H3	H4
RMT 3 RCE	4800	From 3 to 150,000	11.5	On M5 screw	300	690	220	115				
RMT 4 RCE	6400	From 3 to 150,000	15.5	On M5 screw	410	690	220	115				
RMT 6 RCE	9600	From 3 to 150,000	24	On M5 screw	300	690	220		290			
RMT 8 RCE	12800	From 3 to 150,000	31.5	On M5 screw	410	690	220		290			
RMT 9 RCE	14400	From 3 to 150,000	36.5	On M5 screw	300	690	220			465		
RMT 12 RCE	19200	From 3 to 150,000	47.5	On M5 screw	410	690	220			465		
RMT 12 RCE	19200	From 3 to 150,000	48.5	On M5 screw	300	690	220				640	
RMT 15 RCE	24000	From 3 to 150,000	43	On M5 screw	300	690	220					815
RMT 16 RCE	25600	From 3 to 150,000	64	On M5 screw	410	690	220				640	
RMT 20 RCE	32000	From 3 to 150,000	78.5	On M5 screw	410	690	220					815

(*) Continuous power, 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 and without base support insulators

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	Insulation V= 36/70/170 kV
B [mm]	95	130	175	210	310
ØD [mm]	82	75	83	80	80
P [kg]	2.2	3.2	4.4	4.4	7.2
Screw [mm]	M12	M16	M16	M16	M16

DIMENSIONAL CHARACTERISTICS

