

RMX

Terminals

Available inside the framework through nickeled brass PG9 on a terminal board

Mechanical characteristics

IP20, Naked wirewound resistor in galvanized steel enclosure

Applications

Dynamic braking, Starting motor

Market

Industrial Automation

Available enclosure

IP23, AISI 304

Options

Multiple sections, Thermal switch



4 ÷ 12 KW



ELECTRICAL CHARACTERISTICS

refers to room temperature 25°C

ID	Rated Power	Min Resistance	Max Resistance
Unit	W	Ω	Ω
RM 01X	4000	6.2	120
RM 02X	8000	3.3	240
RM 03X	12000	2.2	360

Dielectric strenght 50Hz; 60" 2500 V

Limit Voltage 700 V

Temp. Coefficient Resistance: low ohmic value are made with active material CuNi44 that has a TCR of 40 ppm/°C, whereas high ohmic value refers to wire material FeCrAl that has a TCR of 70 ppm/°C. Resistors can be made also with NiCr alloys with TCR between 70 and 240 ppm/°C.
 RMX internal resistor element is naked wire wound resistor RDP 540, refer to DS.0314.DP for technical information about RDP.
 RM 01X contains 1 RDP540, RM 02X contains 2 RDP 540, RM 03X contains 3 RDP 540.
 Standard tolerance on ohmic value ±5%.
 Picture above refers to RMT 03X IP00 without enclosure.

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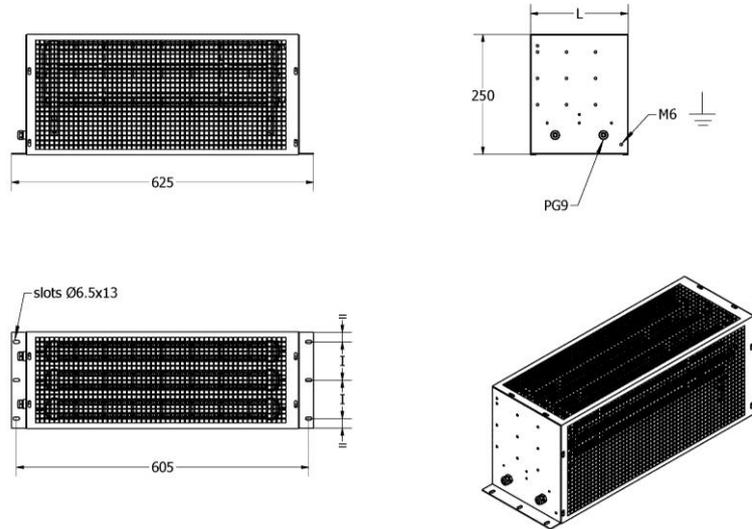
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MECHANICAL DATA

Unit	I [mm]	L [mm]	Weight [kg]
RM 01X	40	102	5.7
RM 02X	60	162	8.3
RM 03X	80	202	11

Unless otherwise specified, applicable standard of general tolerances for linear and angular dimensions is ISO 2768-1 class c.

DRAWING



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Marking

The resistor is marked on a name plate screwed on front panel
FAIRFIELD – RMX 4kW 15R 5% WW/YY (week / year)

Installation

Unit is designed to be mounted in horizontal position. Different mounting position may decrease the heat exchange.

Warning: never mount unit with the terminal uppermost.

Packing

The resistor is packed in a way to preserve incidental damages due to transport.

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Ordering information

RM/Y XXX WWW RRRR 5%

Y T : External thermal switch 160±5°C (rated voltage: 250 V; rated current: 16 A; leads available in clip)

XXX Model 01X, 02X, 03X

WWW Wattage 4 kW, 8 kW, 12 kW

RRRR Resistance value (nominal at 20°C)

Example

RMT 01X 4kW 15R 5%

RM is the name of the product

T means the clixon is provided

01X is the model

4 kW is the wattage

15R means 15 Ω that is the nominal ohmic value at 20°C

5% is the tolerance on the ohmic value, in this case the value of the resistor is accepted when is within 14.25 Ω ÷ 15.75 Ω

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