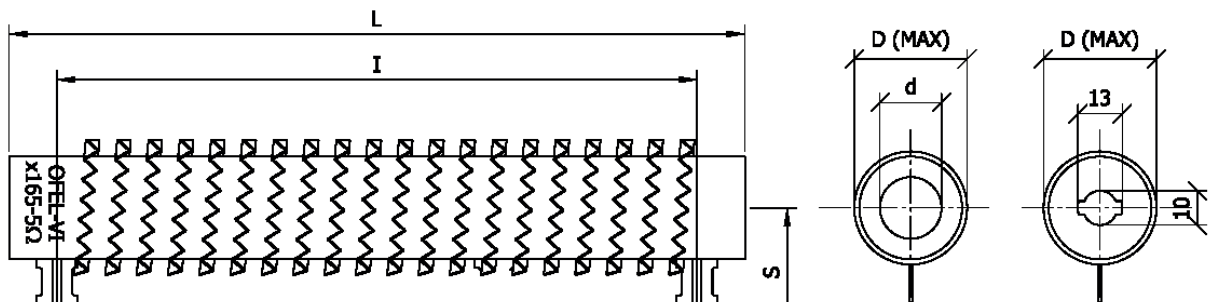


CEMENTED PLATE WOUND RESISTORS MODEL PMO

TECHNICAL DESIGN



GENERAL FEATURES

Professional resistors with extremely high overload characteristics, which are mechanically very robust and non-inflammable, with excellent insulation. The joints obtained with electric welding and the large size of the terminals were designed to support strong, brief overloads of short duration and are particularly suitable for use where a low resistive value and high dissipation capacity are required.

The external protection of the resistor consists of a ceramic cement lining.

The resistive element consists of a plate in Ni-Cr alloy or twisted constantan, on an extremely high quality cylindrical ceramic support.

ELECTRICAL CHARACTERISTICS

- Ohm values available see standard limits indicated in the table
- Standard tolerance: $\pm 15\%$ for values $> 1 \text{ ohm}$
- $\pm 20\%$ for values $< 1 \text{ ohm}$
- Temperature coefficient $\leq 100 \text{ ppm}/^\circ\text{C}$
- Insulation resistance $> 100 \text{ MOhm}$ (500 Vdc)
- Max operating temperature: $400 \text{ }^\circ\text{C}$

MAXIMUM LOAD LIMIT

The nominal power P_n shown in the table refers to resistors placed horizontally and free in naturally circulating air, with an environmental temperature of 25°C .

With forced ventilation the nominal power dissipation capacity of the resistor increases as a function of the air speed.

TYPE	POWER W	RESISTANCE - Ω		DIMENSIONS mm	
		Min	Max	D	H
PMO 14x76	50	R05	3R	24	76
PMO 16x90	75	R05	4R5	26	90
PMO 20x100	100	R05	8R	30	100
PMO 30x108	155	R1	9R5	40	108
PMO 30x165	240	R15	15R	40	165
PMO 30x220	300	R2	20R	40	215
PMO 30x265	370	R3	30R	40	265
PMO 60x300	750	R6	60R	76	300
PMO 60x400	1000	1R	70R	76	400
PMO 60x500	1500	1R5	90R	76	500

THE OHMIC VALUE SHOWN (MIN – MAX) ARE INTENDED AS TOTAL RESISTANCE OF WINDING

DIAGRAM POWER VS TEMPERATURE

