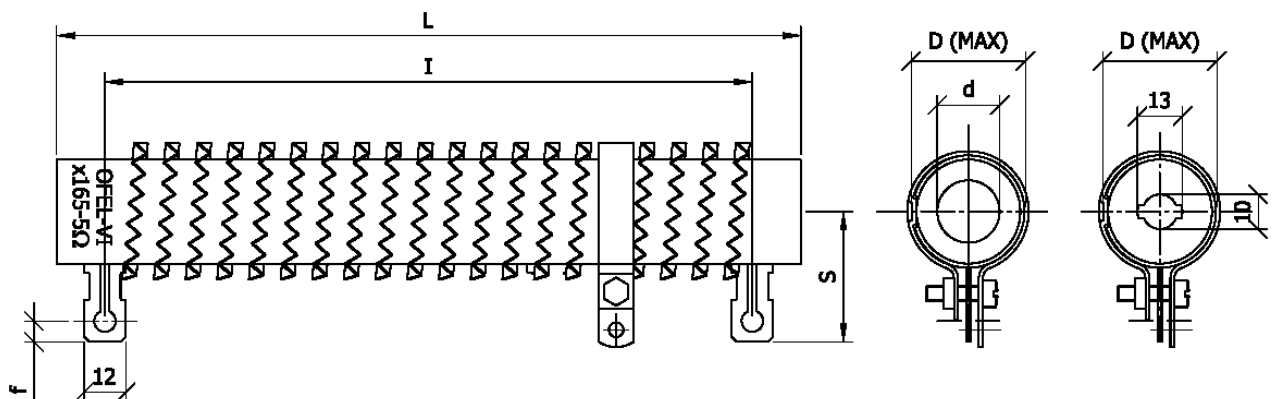




CEMENTED PLATE WOUND ADJUSTABLE RESISTORS MODEL PMOR

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.

The adjustment collar enables the user to establish an intermediate value. The stability of the contact is guaranteed up to the maximum surface temperature of 350° C.

ELECTRICAL CHARACTERISTICS

- Standard tolerance: + 15% for values > 1 W
- + 20% for values < 1 Ω
- Temperature coefficient ≤ 100 ppm/°C
- Insulation resistance > 100 Mohm (500 Vdc)
- Max operating temperature: 400 °C

MAXIMUM LOAD LIMIT

NOTE: For adjustable resistors it must be born in mind that the nominal power is understood as applied to the entire resistor, if only part of it is under tension, the power applied must be reduced in proportion to the part that is not used.

The stability of the contact is guaranteed up to the maximum surface temperature of 350° C

The nominal power Pn 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
PMOR 14x76	50	R06	3R	24	76
PMOR 16x90	75	R08	4R5	26	90
PMOR 20x100	100	R1	8R	30	100
PMOR 30x108	155	R15	9R5	40	108
PMOR 30x165	240	R3	15R	40	165
PMOR 30x220	300	R35	20R	40	215
PMOR 30x265	370	R5	30R	40	265
PMOR 60x300	750	1R2	60R	76	300
PMOR 60x400	1000	1R5	70R	76	400
PMOR 60x500	1500	2R	90R	76	500

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

DIAGRAM POWER VS TEMPERATURE

