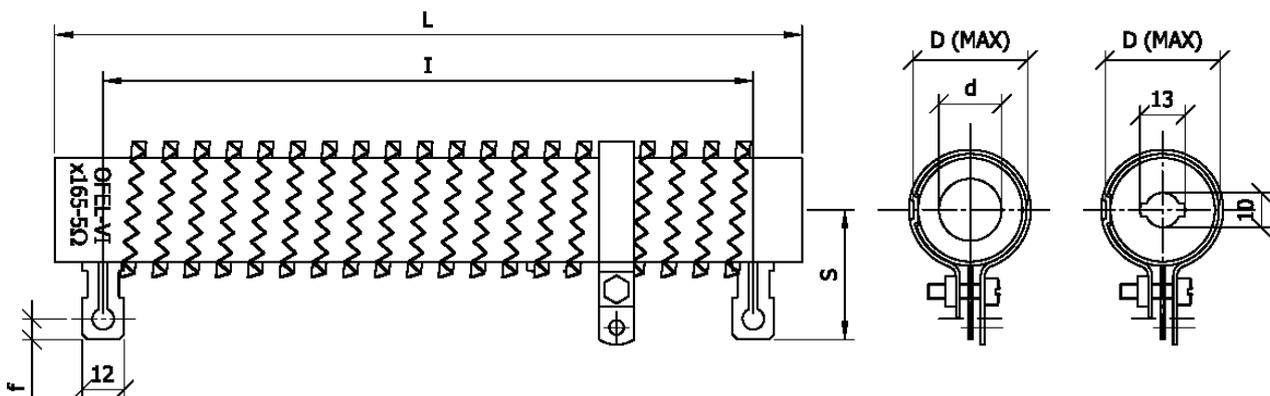




ENAMELLED ADJUSTABLE RESISTORS MODEL SMOR

TECHNICAL DESIGN



TYPE	POWER W	RESISTANCE - Ω -		DIMENSIONS	
		Min	Max	D (mm)	H (mm)
SMOR 14x76	50	R06	3R9	24	76
SMOR 16x90	75	R08	5R6	26	90
SMOR 20x100	100	R1	8R2	30	100
SMOR 30x108	155	R15	10R	40	108
SMOR 30x165	240	R3	22R	40	165
SMOR 30x220	300	R35	27R	40	215
SMOR 30x265	370	R5	39R	40	265

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

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 and are particularly suitable for use where a low resistive value and high dissipation capacity are required.

The external protection is secured by a vitreous enamel 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: + 20%
- Temperature coefficient ≤ 100 ppm/°C
- Insulation resistance > 100 MW (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 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.

DIAGRAM POWER VS TEMPERATURE

