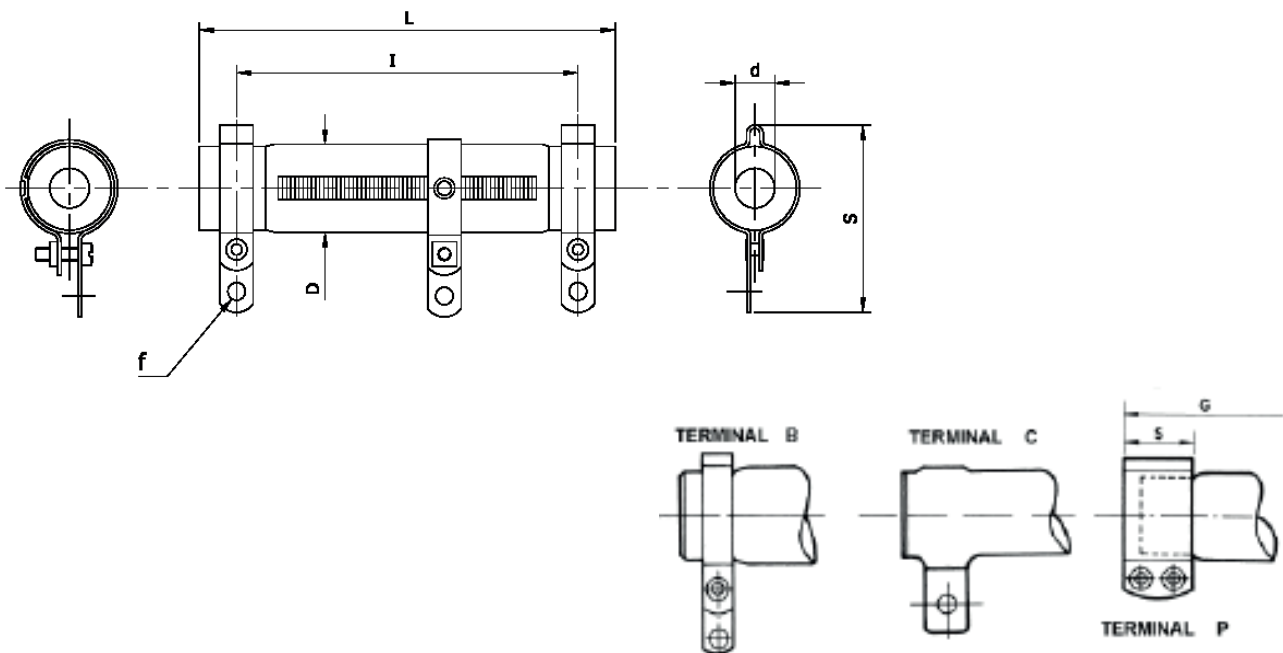




## CEMENTED ADJUSTABLE WIREWOUND RESISTORS MODEL PMR

### TECHNICAL DESIGN



### GENERAL FEATURES

These resistors are designed to obtain maximum power dissipation under optimum operating conditions.

The resistive wire is wound on a suitable ceramic support to sustain high thermal shock and is covered with inorganic cement resistant to solvents. The protection offered is not only non-inflammable, but is also sufficient for normal environmental conditions. The temperature resistance of the cement is greater than the fusion temperature of the winding wire.

The connections are realised with standard collars or terminal pressure plugs (fast-on); the electric contact is guaranteed by rivets or (on request) by screws.

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

- Tolleranza standard + 15%
- Coefficiente di temperatura  $\leq 100$  ppm/°C
- Resistenza di isolamento > 100 Mohm (500 Vdc)
- Temperatura max di lavoro 350 °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 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.

PMR TYPE	13x64	16x90	20x100	20x165	30x165	30x220	30x265
Power rating	25 W	50 W	60 W	110 W	160 W	220 W	260 W
Min. Resistance	10R	22R	33R	33R	39R	56R	68R
Max Resistance	3K9	5K6	10K	15K	18K	22K	33K
Limit Voltage	700 V	1000 V	1200 V	1800 V	2500 V	3000 V	4000 V
DIMENSIONS	13x64	16x90	20x100	20x165	30x165	30x220	30x265
L mm	64	90	100	165	165	220	265
D mm	13	16	20	20	30	30	30
H mm	32	36	43	43	55	55	55
G mm	76	102	112	175	175	230	275
S mm	12	14	18	18	18	18	18

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