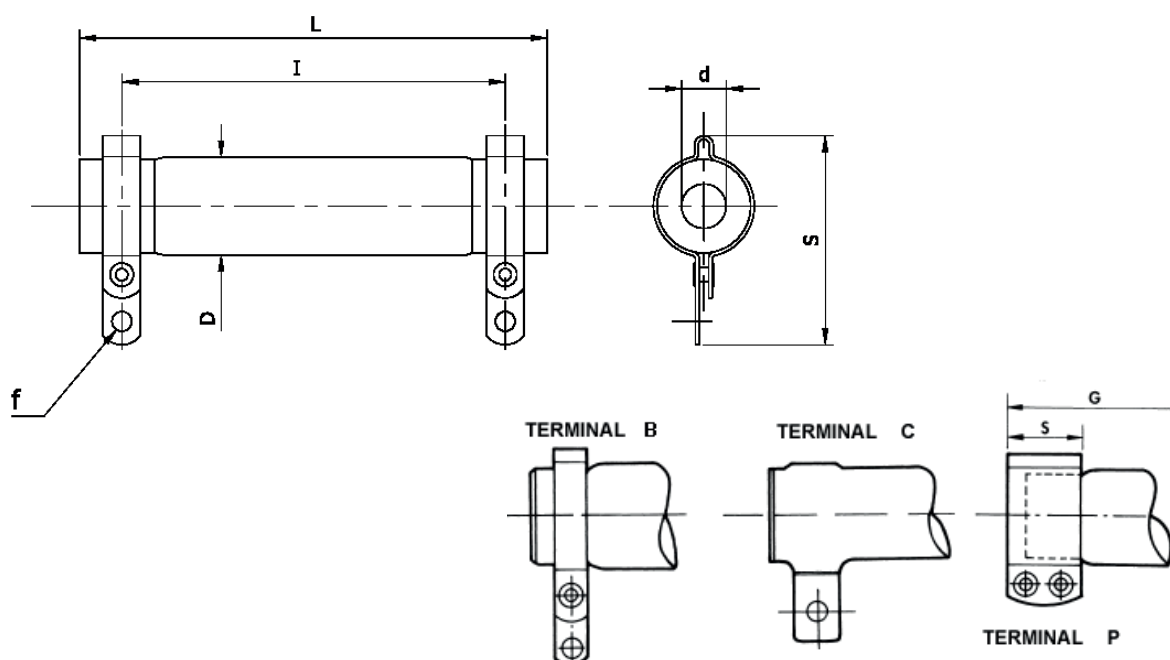




ENAMELLED WIREWOUND RESISTORS MODEL SM

TECHNICAL DESIGN



SM TYPE	13x64	16x90	20x100	20x165	30x165	30x220	30x265
Power rating [W]	25	50	60	110	160	220	260
Min. Ohmic value [Ω]	2R2	2R2	2R2	2R2	3R3	5R6	10R
Max. Ohmic value [Ω]	47 K	56 K	68 K	100 K	100 K	150 K	180 K
Limits Voltage [V]	700	1000	1200	1800	2500	3000	4000
DIMENSIONS (Ref.Drawing)	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

GENERAL FEATURES

Professional resistors with fine electrical and mechanical characteristics, indicated for use where high power is required, along with safe operation and durability. The external lining is protected by a layer of vitreous enamel.

The resistive element consists of wire in Ni-Cr alloy or twisted constantan, on an extremely pure cylindrical ceramic support. The resistors may be produced with different terminations depending on the model and ohm value, standard banner type B, with fast-on and pattern type terminals, and in versions with off-standard tolerances.

ELECTRICAL CHARACTERISTICS

- Standard tolerance: $\pm 10\%$
- Temperature coefficient ≤ 100 ppm/ $^{\circ}\text{C}$
- Insulation resistance > 100 Mohm (500 Vdc)
- Max operating temperature: 350°C

OPTIONAL

A low induction Ayrton-Perry type winding can be provided on request.

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.