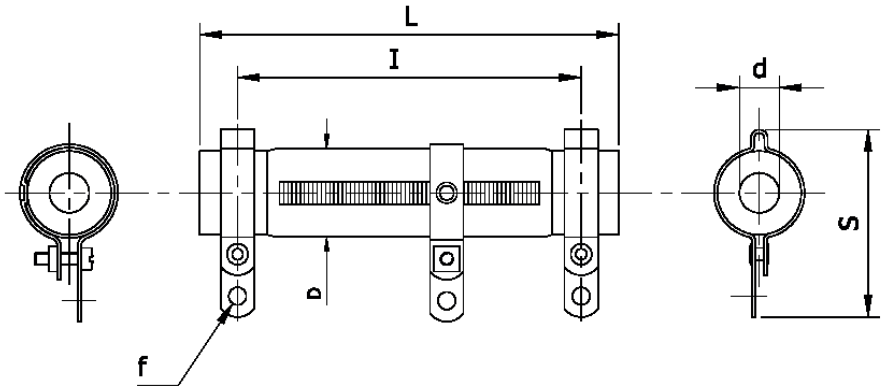
CEMENTED WIREWOUND ADJUSTABLE RESISTORS MODEL RCR

TECHNICAL DESIGN



TERMINAL B

TERMINAL Ω

TYPE RCR	Pn [W]	RESISTANCE Range max value [Ω]	VOLTAGE LIMITS [V]	DIMENSIONS (Ref.Drawing) [mm] D	L	S	I	d	f	TERM.
10 x 64	25	1r ÷ 2k2	500	10	64	28	47	4,5	3	B
13 x 64	35	1r ÷ 3k3	500	13	64	32	48	7	3	B
16 x 90	48	1r ÷ 4k7	1000	16	90	36	72	9	3	B
20 x 100	65	1r ÷ 8k2	1200	20	100	43	70	12	4,3	B
20 x 165	125	1r ÷ 10k	1800	20	165	43	135	12	4,3	B
35 x 100	130	1r ÷ 10k	1800	35	100	60	70	20	4,3	B - Ω
40 x 110	150	1r ÷ 10k	1800	40	110	66	80	18,5	4,3	B - Ω
50 x 100	160	1r ÷ 15k	1800	50	100	76	64	30	4,3	B - Ω
30 x 180	180	1r ÷ 15k	2000	30	180	56	152	18	4,3	B - Ω
40 x 165	210	1r ÷ 22k	2000	40	165	66	135	18,5	4,3	B - Ω
30 x 220	230	1r ÷ 22k	2000	30	220	55	192	18	4,3	B - Ω
30 x 265	270	1r ÷ 27k	3000	30	265	55	237	18	4,3	B - Ω
30 x 300	300	1r ÷ 27k	3000	30	300	55	272	18	4,3	B - Ω
40 x 300	375	1r ÷ 27k	3000	40	300	66	270	18,5	4,3	B - Ω
50 x 300	400	1r ÷ 27k	4000	50	300	76	264	30	4,3	B - Ω
50 x 400	600	1r ÷ 27k	4000	50	400	76	364	30	4,3	B - Ω
50 x 500	800	1r ÷ 27k	4000	50	500	76	464	30	4,3	B - Ω
60 x 500	1000	1r ÷ 27k	4000	60	500	86	460	40	4,3	B - Ω
60 x 600	1200	1r ÷ 27k	4000	60	600	86	560	40	4,3	B - Ω

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

GENERAL FEATURES

These are industrial resistors with extremely high overload characteristics, which are mechanically very robust and non-inflammable, with excellent insulation and high dissipation capacity. The external protection of the resistor consists of a ceramic cement lining. The resistive element consists of wire in Ni-Cr alloy or twisted constantan, on an extremely high quality cylindrical ceramic support. The resistors may be produced with different terminations depending on the model and ohm value, standard banner type B, with omega or fast-on type terminals, and in versions with off-standard tolerances.
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: ± 10%
- Temperature coefficient ≤ 100 ppm/°C
- Insulation resistance > 100 Mohm (500 Vdc)
- Max operating temperature: 350 °C

MAXIMUN 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 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.