

Wire-wound tubular resistors type FW22

Data sheet



Construction

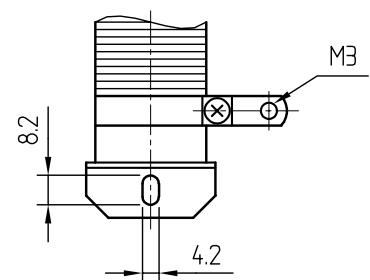
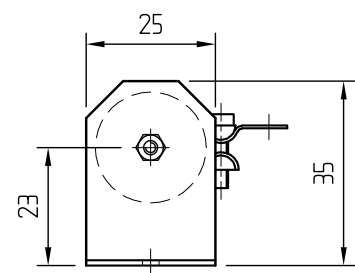
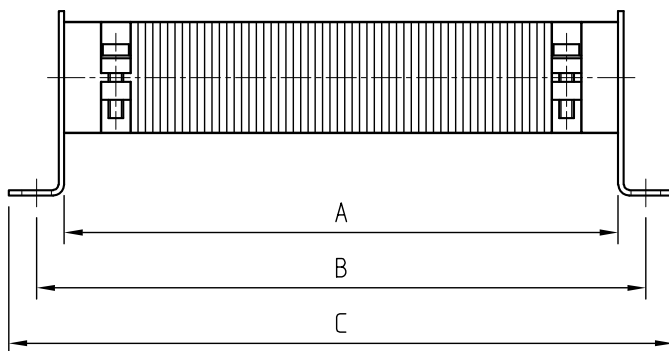
- Ceramic resistor carrier KER 410
- Resistance material CuNi44
- End- and tap clips made of brass nicked
- Holding bolt, angle brackets or mounting plates, also nuts and conical spring washers made of electric zinc steel, plated blue

Execution

- Standard execution with angle brackets
- On request: - with mounting plates
- with additional tabs

Type	FW 22-80	FW 22-100	FW 22-120	FW 22-150	FW 22-200
Resistance range	R28 - 4K9	R4 - 6K5	R5 - 8K2	R69 - 10K8	R98 - 15K
Tolerance	K ($\pm 10\%$), tighter tolerances on request				
Charge*	35 W	45 W	55 W	70 W	100 W
Temperature coefficient	+40 – 80 ppm				
Surface temperature	300 °C				
Dielectric strength	2 kV AC, 50 Hz, 1 minute				
Dimensions A	80	100	120	150	200
	B	93	113	133	213
	C	104	124	144	174

* The effective charge is defined by the resistance value and the nominal current (Table on sheet 1-1-15)



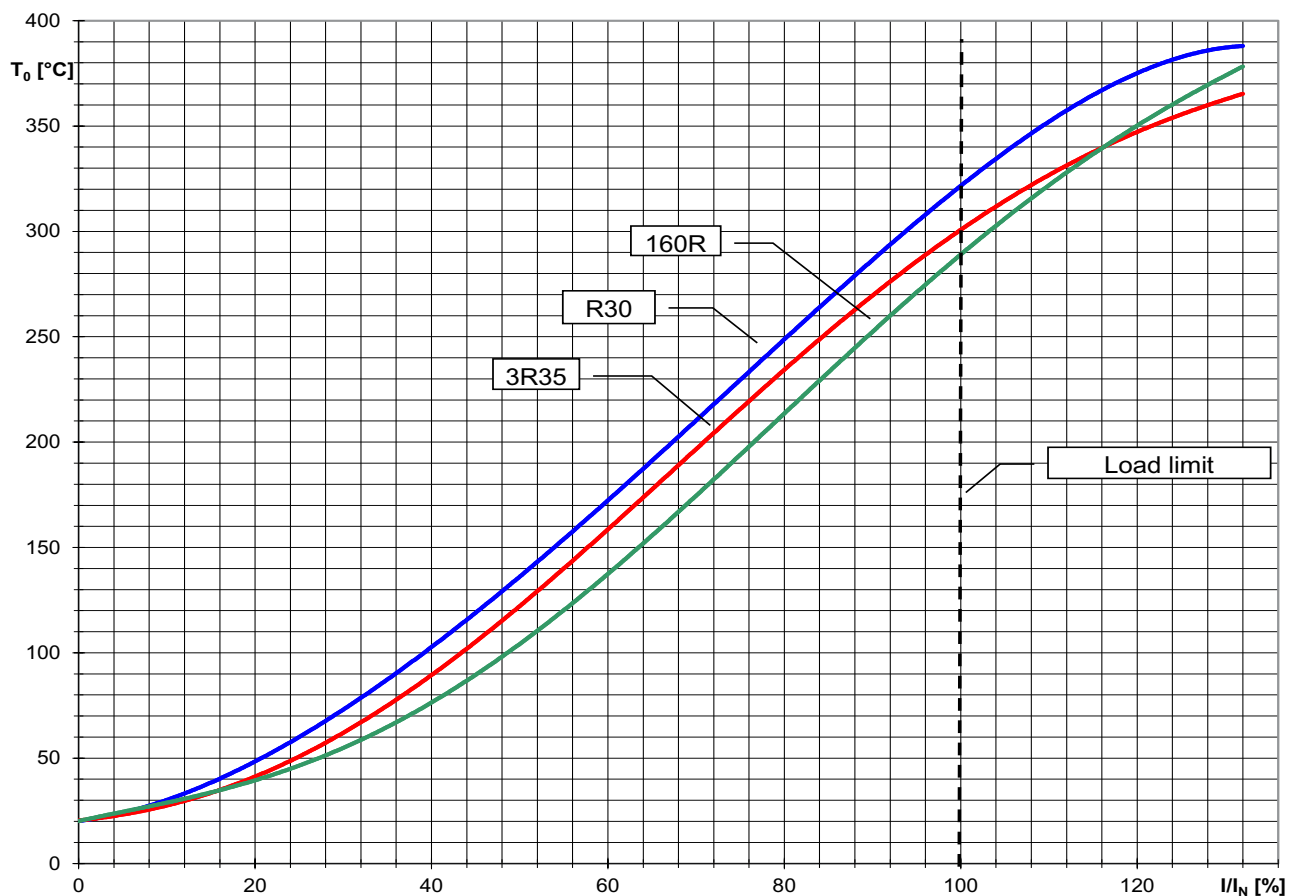
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Load data



Type FW	22 - 80	22-100	22 - 120	22 - 150	22 - 200	Type FW	22 - 80	22 - 100	22 - 120	22 - 150	22 - 200
I_N [A]	Available resistance values*					I_N [A]	Available resistance values*				
0.08	4 K 9	6 K 5	8 K 2	10 K 8	15 K	1.2	28 R	38 R	47 R	62 R	86 R
0.1	3 K 4	4 K 6	5 K 8	7 K 6	10 K 6	1.4	20 R	27 R	35 R	45 R	63 R
0.12	2 K 5	3 K 35	4 K 2	5 K 5	7 K 7	1.6	15 R	21 R	26 R	34 R	47 R
0.14	1 K 85	2 K 5	3 K 15	4 K 15	5 K 7	1.8	11 R 5	15 R 5	20 R	26 R	36 R
0.16	1 K 45	1 K 95	2 K 45	3 K 2	4 K 4	2	9 R 5	12 R 5	16 R	21 R	29 R
0.18	1 K 14	1 K 54	1 K 9	2 K 5	3 K 5	2.3	7 R 5	10 R	12 R 5	16 R 5	23 R
0.19	900 R	1 K 23	1 K 55	2 K 0	2 K 8	2.5	6 R 0	8 R 2	10 R	13 R 5	18 R 5
0.2	740 R	1 K 0	1 K 25	1 K 64	2 K 25	2.7	5 R 0	6 R 8	8 R 5	11 R	15 R 5
0.225	600 R	820 R	1 K 03	1 K 35	1 K 85	2.9	4 R 2	5 R 6	7 R 0	9 R 3	12 R 9
0.25	510 R	690 R	860 R	1 K 13	1 K 55	3.1	3 R 5	4 R 8	6 R 0	7 R 8	10 R 9
0.275	430 R	580 R	730 R	950 R	1 K 3	3.3	3 R 0	4 R 0	5 R 0	6 R 7	9 R 3
0.3	360 R	490 R	620 R	800 R	1 K 12	3.5	2 R 6	3 R 5	4 R 4	5 R 7	8 R 0
0.325	310 R	420 R	530 R	690 R	960 R	4.2	1 R 95	2 R 6	3 R 3	4 R 3	6 R 0
0.35	235 R	315 R	400 R	520 R	720 R	5	1 R 5	2 R 0	2 R 5	3 R 3	4 R 7
0.45	160 R	215 R	270 R	355 R	490 R	5.5	1 R 2	1 R 6	2 R 0	2 R 6	3 R 7
0.55	115 R	150 R	195 R	250 R	350 R	6.2	R 97	1 R 3	1 R 64	2 R 1	2 R 95
0.6	94 R	125 R	155 R	205 R	285 R	7	R 79	1 R 05	1 R 33	1 R 74	2 R 4
0.7	77 R	104 R	130 R	170 R	235 R	8	R 54	R 76	R 99	1 R 33	1 R 89
0.8	59 R	80 R	100 R	130 R	180 R	9	R 45	R 64	R 83	1 R 1	1 R 58
0.9	50 R	67 R	84 R	109 R	150 R	10	R 38	R 54	R 70	R 94	1 R 34
0.95	45 R	62 R	78 R	102 R	140 R	11	R 32	R 46	R 60	R 80	1 R 14
1	40 R	53 R	67 R	88 R	120 R	12	R 28	R 40	R 50	R 69	R 98

*Other resistance values in request



Surface temperature in function of the load

The limit for permanent load is set after long experience.