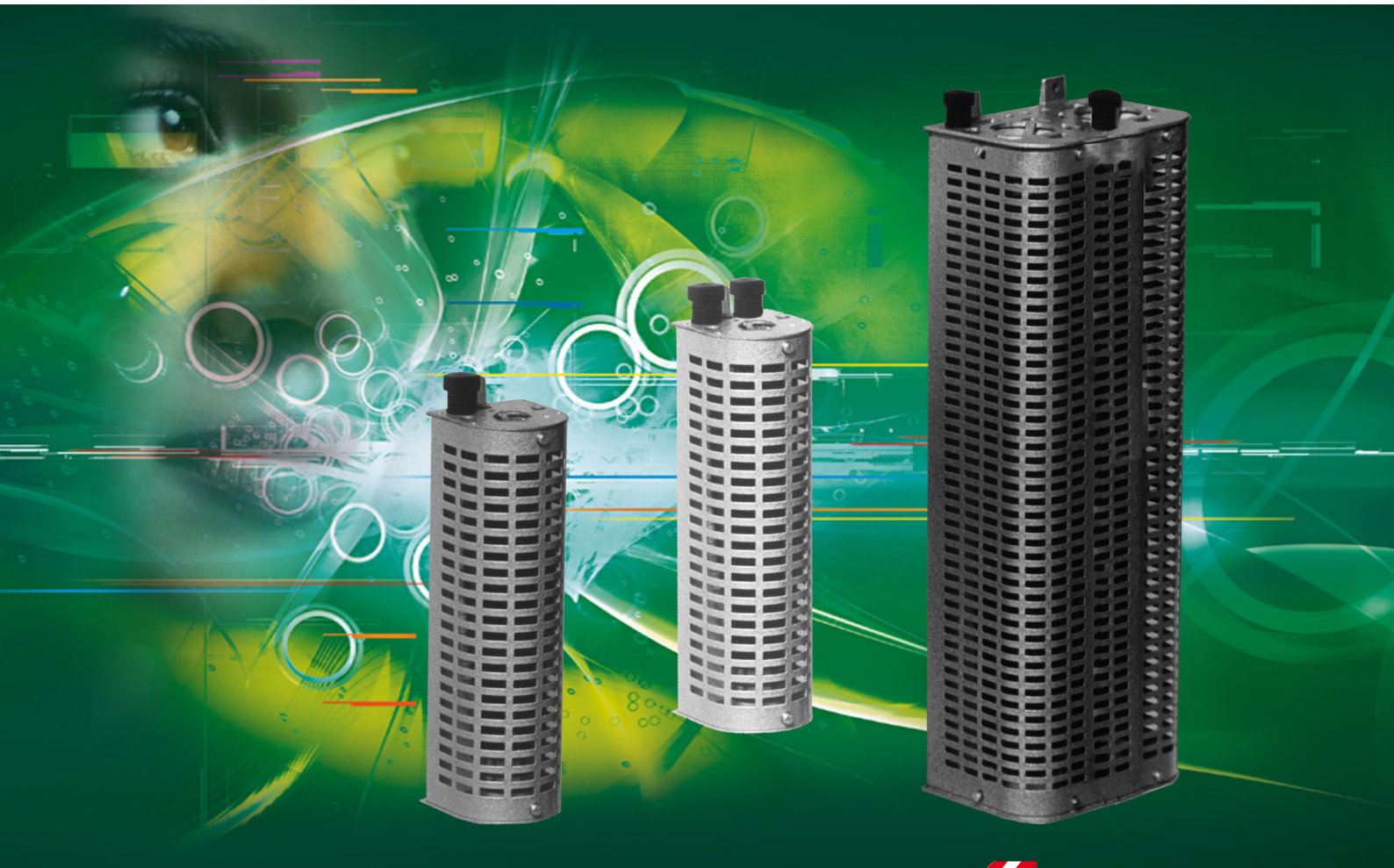


Variable Resistors




Quality made in 

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General Catalogue




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Changeover Switches
Motor Switches
Step Switches
Main Switches
Modular Switches
Key Operated Switches

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Main Switches




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Modular Contactors
Accessories
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Content

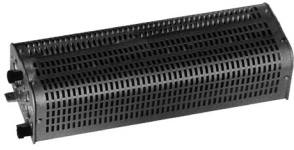
Page



Single tube variable resistors, Types JW.. and JW..A
Technical data and Dimensions

2

2



Twin tube variable resistors, Types JWII..S and JWII..P
Technical data and Dimensions

3

3

Single tube variable resistors, types JW.. and JW.. A, tolerance $\pm 10\%$ (special version $\pm 5\%$)

JW.. standard performance with 2 terminals on one end

ordering example: JW15/3 0,2A

JW.. A with axial terminals (on both ends)

ordering example: JW15/3A 0,2A

JW..	15/3	15/5	25/5	35/5	50/5	50/8	80/8
A	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm
0,2	1560	2600	5200	7800	11500	18500	31000
0,3	750	1250	2500	3750	5600	9050	15000
0,4	400	640	1300	1950	2900	4650	7700
0,6	225	370	740	1100	1650	2700	4400
0,7	140	240	470	700	1050	1700	2800
0,9	95	160	320	480	700	1150	1900
1,1	67	110	220	330	500	800	1300
1,3	49	80	160	240	360	580	970
1,5	36	60	120	180	270	430	720
1,7	28	47	95	140	210	340	560
1,8	22	37	75	110	165	260	440
2,0	18	30	60	90	135	215	355
2,3	14,5	24	48	72	110	170	290
2,5	12	20	40	60	90	140	240
3,0	8,5	14	28	42	63	100	165
3,5	6,2	10	20	30	46	73	120
4,0	4,6	7,7	15,5	23	34	54	90
4,6	3,6	6	12	18	27	42	70
5,2	2,8	4,6	9,2	14	21	33	55
5,8	2,3	3,7	7,5	11	17	27	45
6,4	1,9	3,1	6	9,2	13,5	22	36
7,0	1,55	2,5	5	7,6	11,5	18	30
8,5	1,1	1,75	3,5	5,3	8	12,5	21
10,0	0,8	1,3	2,6	3,9	5,8	9,2	15,5
11,5	0,61	1	2	3	4,4	7	11,5
13,0	0,47	0,75	1,5	2,3	3,4	5,4	9
15,0	0,33	0,54	1,05	1,6	2,4	3,8	6,3
18,0	0,24	0,39	0,78	1,15	1,75	2,75	4,6
app. kg	0,3-0,6	0,6-0,9	0,8-1,5	1,0-2,0	1,3-2,9	3,2-5,3	5,0-8,2

Rated continuous power acc. DIN41480:
Standard performance

Type	Watt
JW15/3	81
JW15/5	133
JW25/5	265
JW35/5	400
JW50/5	600
JW50/8	965
JW80/8	1570

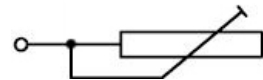
Ratings are for resistors with cover, horizontal wall mounting and max. ambient temperature of 35°C

Max. available number of terminals:

Type JW15/3	up to 6,4A	3
	over 6,4A	2
all other types		4

As single device an earth terminal is necessary. Not available for type JW15/3

Wiring diagram:



Dimensions:

Standard performance:

Type	A	B	C	D	E
JW15/3	150	57	63	170	192
JW15/5	150	69	82	170	195
JW25/5	250	69	82	270	295
JW35/5	350	69	82	370	395
JW50/5	500	69	82	520	545
JW50/8	500	120	148	533	550
JW80/8	800	120	148	833	850

Weight decrease for types without cover

app. kg	0,1	0,15	0,25	0,35	0,5	0,9	1,2
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Accessories

- Special version with tolerance $\pm 5\%$
- Additional terminal
- Earth terminal (not for JW15/3)

Power ratings acc. DIN41480

Ratings are for resistors with cover, horizontal wall mounting and max. ambient temperature of 35°C

For ambient temperatures higher than 35°C the ratings decrease according the diagram on the right side.

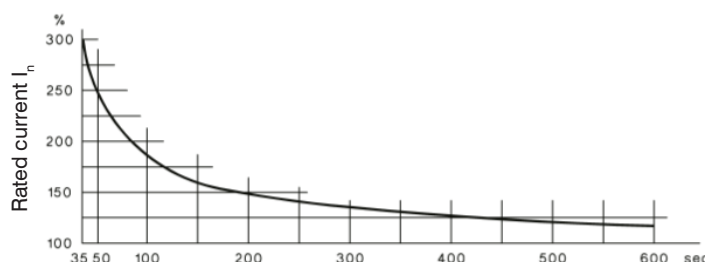
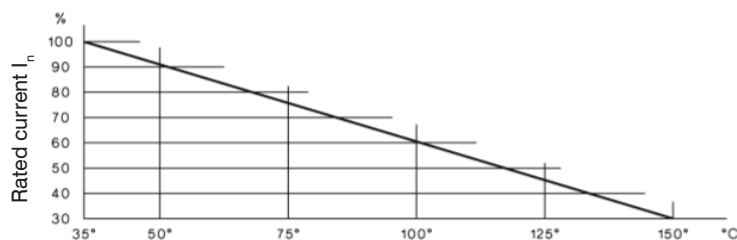
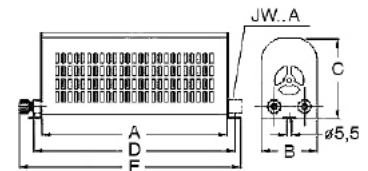
Resistors without cover ratings increase +10%.

Mounted in enclosure the power ratings decrease approx. -20%

Overload

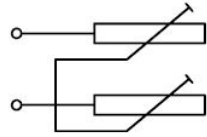
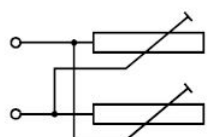
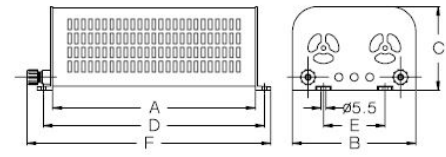
The resistors could be overloaded for a short time. They can be used in applications with short time higher currents (peak-current) see diagram (curve is an average value of typical device)

Rated insulation voltage: 500V



Twin tube variable resistor, types JWII..S and JWII..P

Standard performance with 2 terminals on one end, tolerance $\pm 10\%$ (special version $\pm 5\%$)

JWII.. A	15/5S Ohm	25/5S Ohm	35/5S Ohm	50/5S Ohm	50/8S Ohm	80/8S Ohm	Rated continous power acc. DIN 41480: Standard performance
0,2	5200	10500	15500	23500	37500	62000	Type Watt
0,3	2500	5000	7500	11000	18000	30000	JWII15/5. 250
0,4	1300	2600	3850	5800	9300	15500	JWII25/5. 500
0,6	740	1500	2200	3300	5300	8900	JWII35/5. 750
0,7	480	940	1400	2100	3400	5600	JWII50/5. 1120
0,9	320	630	950	1400	2250	3800	JWII50/8. 1800
1,1	220	440	660	1000	1600	2600	JWII80/8. 3000
1,3	160	320	480	730	1150	1950	Ratings are for resistors with cover, horizontal wall mounting and max. ambient temperature of 35°C Further informations see page 1.
1,5	120	240	360	540	860	1450	
1,7	95	190	280	420	670	1100	Max. available number of terminals: Type JWII.. 8
1,8	75	150	220	330	530	890	
2,0	60	120	180	270	430	710	Used as single devices additionally an earth terminal is required.
2,3	48	95	145	215	340	580	
2,5	40	80	120	180	280	470	Wiring diagrams: Series connected JWII..S
3,0	28	55	83	125	200	330	
3,5	20	40	60	90	145	240	
4,0	15,5	31	46	70	110	180	
4,6	12	24	36	55	85	140	Parallel connected JWII..P
5,2	9,2	18,5	28	42	66	110	
5,8	7,5	15	22	34	53	90	
6,4	6	12	18,5	27	43	73	
7,0	5	10	15	23	36	60	
8,5	3,5	7	10,5	16	25	42	
10,0	2,6	5,2	7,8	11,5	18,5	30	
11,5	2	4	6	9	14	23	
13,0	1,5	3	4,5	6,8	10,5	18	
15,0	1,05	2,15	3,2	4,8	7,6	12,5	
18,0	0,78	1,55	2,3	3,5	5,5	9,2	

Parallel connected, 2 terminals, tolerance $\pm 10\%$ (spezial version $\pm 5\%$)

JWII.. A	15/5P Ohm	25/5P Ohm	35/5P Ohm	50/5P Ohm	50/8P Ohm	80/8P Ohm
0,4	1300	2630	3880	5880	9380	15500
0,6	625	1250	1880	2750	4500	7500
0,8	325	640	963	1450	2330	3880
1,2	185	375	550	825	1330	2330
1,4	120	235	350	525	850	1400
1,8	80	158	238	350	563	950
2,2	55	110	165	250	400	650
2,6	40	80	120	183	288	488
3,0	30	60	90	135	215	363
3,4	23,8	47,5	70	105	168	275
3,6	18,75	37,5	55	82,5	133	223
4,0	15	30	45	67,5	108	178
4,6	12	23,8	36,3	53,8	85	145
5,0	10	20	30	45	70	118
6,0	7	13,8	20,8	31,3	50	82,5
7,0	5	10	15	22,5	36,3	60
8,0	3,88	7,75	11,5	17,5	27,5	45
9,2	3	6	9	13,8	21,3	35
10,4	2,3	4,63	7	10,5	16,5	27,5
11,6	1,88	3,75	5,5	8,5	13,3	22,5
12,8	1,5	3	4,63	6,7	10,8	18,3
14,0	1,25	2,5	3,75	5,75	9	15
17,0	0,875	1,75	2,63	4	6,3	10,5
20,0	0,65	1,3	1,95	2,88	4,63	7,5
23,0	0,5	1	1,5	2,25	3,5	5,75
26,0	0,375	0,75	1,13	1,7	2,63	4,5
30,0	0,263	0,538	0,8	1,2	1,9	3,13
36,0	0,195	0,388	0,575	0,875	1,38	2,3
app. kg	1,2-2,0	1,6-2,9	2,0-4,0	2,6-5,7	6,0-9,5	9,0-15,0

Weight decrease for types without cover

app. kg	0,2	0,3	0,5	0,75	1,3	2
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Notice:



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