

Heavy Duty Open Wound Power Resistors

Thermal Cut-outs

Cut-outs can be fitted to certain resistors which will operate a contact to disconnect the resistor to prevent overload damage.

Resistance

The minimum and maximum values shown below are those available within a range of standard resistance alloys. You may select any Ohmic value between Min and Max values.

Enclosed Resistors

Resistors are available supplied within a Heavy Duty Enclosure. See the Enclosure Data Sheet.

Power Ratings

Standard continuous ratings are from 200 Watts to 750 Watts. For pulse ratings, refer to the table below.

Ohmic Values & Ratings - Continuous, Short Time & Intermittent												
TYPE	CONT	SHORT TIME (SECONDS)			INTERMITTENT TIME (MINUTES)						OHMIC VALUES	
		5	10	20	1/2	1	2	3	4	5	MIN	MAX
		WATTS	WATTS	WATTS	WATTS	WATTS	WATTS	WATTS	WATTS	WATTS	WATTS	OHMS
PHD200	200	4000	3000	1800	1100	660	500	400	300	250	0.45	872
PHD300	300	6000	4500	2700	1650	990	750	600	450	375	0.67	1294
PHD400	400	8000	6000	3600	2200	1320	1000	800	600	500	0.90	1700
PHD450	450	9000	6700	4000	2500	1500	1130	900	690	570	1.06	2100
PHD600	600	12300	9200	5500	3200	1930	1460	1170	880	740	1.35	2600
PHD750	750	14700	11000	6600	4000	2420	1830	1460	1100	920	1.60	3100
		Operating Once Per Hour			Operating Time in any 15 Minute Period						With Tapping Band	

The Power in Watts to give a Temperature Rise of 300 °C in the Time stated.

PHD Open Wound Heavy Duty Resistors - Dimensions (mm)												
TYPE	WATTS	A	B	C	D	E	F	G	H	J	K	L
PHD200	200	152	44	29	43	9.5	5	190	173	44	51	7 x 14
PHD300	300	203	44	29	43	9.5	5	241	223	44	51	7 x 14
PHD400	400	254	44	29	43	9.5	5	292	274	44	51	7 x 14
PHD450	450	305	44	29	43	9.5	5	343	325	44	51	7 x 14
PHD600	600	305	54	38	50	9.5	5	356	333	54	76	7 x 17
PHD750	750	356	54	38	50	9.5	5	406	384	54	76	7 x 17



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