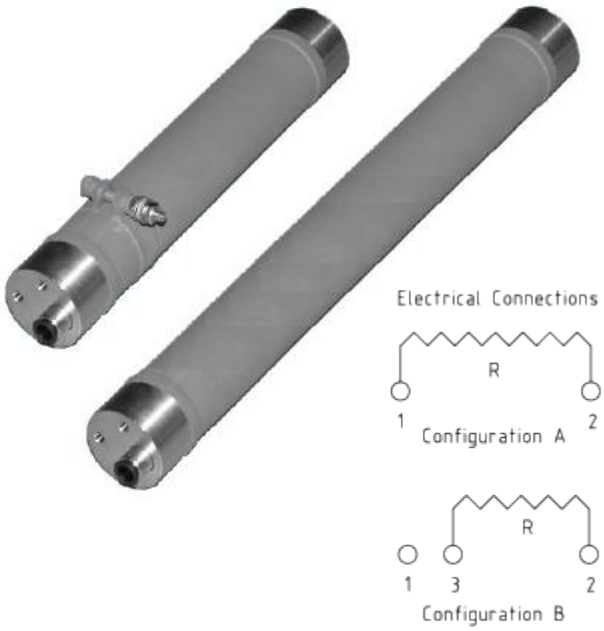
High Power Watercooled Resistor Series W500

High Power Watercooled Single Resistors and Voltage Dividers up to 2000 Watts!

Our resistor Series W500 is designed for usage in high power applications. Due to the direct watercooling these resistors are good for a continuous power load up to 2000 W (short time overload up to 4000 W)! The easy M4 mounting, wide ohmic range, precise tolerance and temperature coefficient values as well as a high dielectric strength capability are only some of the features of this resistor series. Series W500 is available in two standard configurations, with or without isolated contact. Also voltage dividers are possible!

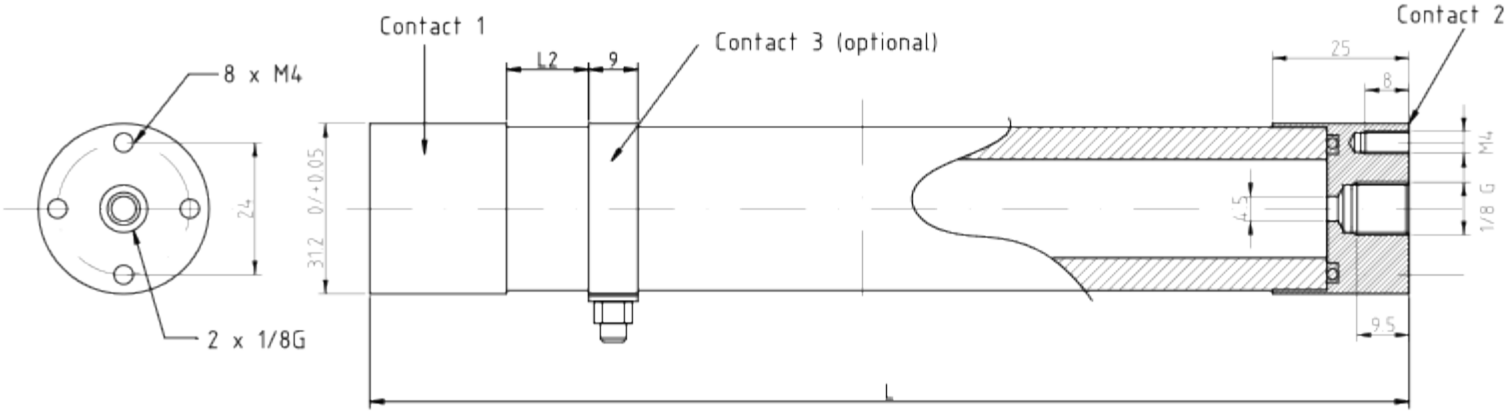


Model	Wattage*	Max. Peak Voltage**	Isolation Voltage*** (Optional)	Dimensions in mm ± 2.00	
				L	L2
W500.50	1000	70 kV	7 kV	178	10
W500.70	1400	100 kV	10 kV	228	15
W500.100	2000	150 kV	15 kV	328	20

* max. power at cooling medium temperature < 50°C, flow > 7 l / min.
** DC or AC peak between contacts 1 and 2, Configuration A
*** between contact 3 and isolated contact 1, Configuration B

Electrical Characteristics:

Resistance Value	0.5Ω to 10MΩ (or other special values on request)
Tolerance	± 10% (±5% or other on request)
Temperature Coefficient	± 100 ppm/°C
Cooling	Cooling medium MUST be non-conductive (e.g. distilled water or distilled water – glycol mixture)
Inductivity	50 .. 150 nH typical (depending on size and resistance value)
Cooling Medium Pressure	Max. 10 bar
Cooling Connection	1/8 G thread or Metal One-touch Fittings (optional)
Encapsulation	High Temperature Silicone Coating
Resistor Material	Ruthenium Oxide
Contact Material	CrNi (stainless)



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