

## HVB70

Aluminium high pulse power air cooled Resistor 285kJ - 570kJ





HVB70 style resistors are high pulse load resistors used in The maximum pulse load energy strongly depends on the reapplications where space is an issue.

transferred to the filling, which is normally quartz sand. In very compact, have no life parts on the outside and require general the temperature of the housing will stay very low.

The HVB70 range is build up with one or multiple extruded aluminium profiles. The connection can be with 1 meter of cable (other lengths are possible) or with a connection box with IP65 or IP66 ingress protection degree.

crowbar and high energy dump applications like in Wind tur- sistor wire and with that the ohm value. Please, ask for sepabines. They are very compact and therefore can be used in rate datasheet with the ohm value you require to get precise data.

The high pulse load energy is absorbed by the wire and then The resistors have a low thermal drift, low noise level, are minimum maintenance



Low Voltage Ride Through (LVRT) has become an important requirement for wind farms which defines their ability to remain connected and actively contribute to grid stability during a wide range of network faults. Fault ride-through specifications listed in modern transmission and distribution grid codes, specify that wind-turbine generators must remain connected to electricity networks at voltage levels well below nominal. The dynamic braking resistor dissipates active power and boosts generator voltage, potentially avoiding the need for pitch control and dynamic reactive power compensation.

Other applications for Alpha-type aluminium-housed brake resistors (HVB 70 types) include dynamic braking in traction applications, load-dump resistors in crowbar systems and snubbers in choppers and rectifiers.

The salient features of this resistor family are:

- Small dimensions
- Low- surface temperatures
- high pulse-load capabilities
- High vibration capabilities
- No external electrically-live parts
- high IP classes
- Fail-safe capabilities (on request)
- low noise levels
- high dielectric strengths.

HVB70			
Туре	Ohmic value [Ω] ±5%	Energy [kJ]	Weight [kg]
HVB70.400.1	0.2 - 250	285	±5
HVB70.400.2	0.3 - 500	570	±9
General Specifications			
Insulation resistance	all types	≥40 MΩ @ 5,000 V DC	
Dielectric strength	HVB70.400.1	18,000 VAC @ 50Hz 1 min	
	HVB70.400.2	12,000 VAC @ 50Hz 1 min	
Protection degree		IP65	
Dimensions	A [mm]	C [mm]	H [mm]
HVB70.400.1	400	70	74
HVB70.400.2	400	140	74





