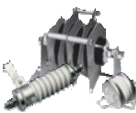
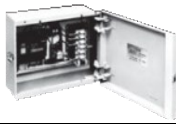


Products system

Varistors (ZNR Surge Absorber)	D type E/E-S1 series		Large surge current and energy handling capability for absorbing transient overvoltage	● Varistor voltage : 200 to 1100 V ● Maximum peak current : 600 to 7000 A (at 8/20 μs)
	D type V series		Standard type with radial leads for general surge protect applications	● Varistor voltage : 18 to 1800 V ● Maximum peak current : 125 to 7000 A (at 8/20 μs)
	SMD type HF series		For Automotive (DC12 V) Meet for Load Dump Surge Compact size SMD High Reliability	● Varistor voltage : 20 to 23.2 V 27 V$\pm$20 % ● Maximum surge : JASO A-1 70 V 1 time
	SMD type VF series		Surface mount type with protective coating so as to high level reliability	● Varistor voltage : 22 to 470 V ● Maximum peak current : 125 to 600 A (at 8/20 μs)
	SC type		For incorporation in a surge protective device corresponding to the JIS C 5381-1	● Varistor voltage : 200 to 950 V ● Maximum peak current : In 20 kA, I_{max} 40 kA (at 8/20 μs)
	E type CK type		For an application in industrial electric or electronic equipment under heavy duty	● Varistor voltage : 200 to 1100 V ● Maximum peak current : 5 to 25 kA (at 8/20 μs)
	P type		Plug-in type with deterioration indicator. For application to industrial equipment	● Varistor voltage : 250 to 1000 V ● Maximum peak current : 5000 A (at 8/20 μs)
	J type		Stack-type for heavy surge energy application (High power induced load and so on)	● Varistor voltage : 560 to 1250 V ● Maximum peak current : 80 to 320 kA (at 4/10 μs) ● Energy : 5000 to 40000 J
	G type		For protection to switching surge of high voltage (3.3, 6.6 kV) equipment	● Varistor voltage : 5 to 17 kV ● Maximum peak current : 5 to 10 kA (at 8/20 μs) ● Energy : 1300 to 2600 J
	Surge absorber units		Surge absorber with connected ZNRs and circuit breaker in box	● Varistor voltage : 12 to 100 V ● Maximum peak current : 5000 A
	Surge absorbers for thyristor		Thyristor protection against switching surge of transformer	● Varistor voltage : 510 to 2500 V ● Impulse life : 40 to 210 A (2 ms, 104 times)