

HS-KB series

*Control power supply specification: $\pm 12V$

<Voltage output type>

Type	HS-KB500V4B12J	HS-KBE10V4B12J
Rated current [If]	$\pm 500A$	$\pm 1000A$
Continuously flowing DC current	$\pm 1000A$	
Saturation current [Is]	$\pm 1300A$	
Linearity limits	$0 \sim \pm 1200A$	
Rated output [Vh]	$V0 \pm 4V \pm 1.5\% (RL=20k\Omega)$	
Residual output [V0]	Within $\pm 20mV$	
Output linearity	Within $\pm 0.5\%$	
Second coil resistance	Approx. 24Ω	
Response time	Within $1\mu s$ (at $di/dt=100A/\mu s$)	
Response performance	Within 20%	
Hysteresis Voltage range	Within 20mV	
Output Temp. Coef.	Within $\pm 0.02\%/^{\circ}C$	
Residual output Temp. Coef.	Within $\pm 1mV/^{\circ}C$	
Control power supply	$\pm 12V \pm 5\%$	
Consumption current	$20mA + (\text{Input current}/4000)$	
Operating Temp.	$-10^{\circ}C \sim +80^{\circ}C$	
Strage Temp.	$-15^{\circ}C \sim +85^{\circ}C$	
Dielectric withstand voltage	4000V AC 50/60Hz 1minute	
Insulation resistance	Not less than $500M\Omega$ 500V DC	

*Control power supply specification: $\pm 12V$

<Current output type>

Type	HS-KB500A0125B12J	HS-KBE10A025B12J
Rated current [If]	$\pm 500A$	$\pm 1000A$
Continuously flowing DC current	$\pm 1000A$	
Saturation current [Is]	$\pm 1300A$ (RL=1~3 Ω)	
Linearity limits	0~ $\pm 1200A$ (RL=1~3 Ω)	
Rated output [Ih]	$I0 \pm 125mA \pm 1.5\%$	$I0 \pm 250mA \pm 1.5\%$
Residual output [I0]	Within $\pm 0.2mA$	
Output linearity	Within $\pm 0.5\%$	
Second coil resistance	Approx. 24 Ω	
Response time	Within 1 μs (at di/dt=100A/ μs)	
Response performance	Within 20%	
Hysteresis Voltage range	Within 0.2mA	
Output Temp. Coef.	Within $\pm 0.02\%/^{\circ}C$	
Residual output Temp. Coef.	Within $\pm 0.01mA/^{\circ}C$	
Control power supply	$\pm 12V \pm 5\%$	
Consumption current	20mA+(Input current/4000)	
Operating Temp.	-10 $^{\circ}C$ ~+80 $^{\circ}C$	
Strage Temp.	-15 $^{\circ}C$ ~+85 $^{\circ}C$	
Dielectric withstand voltage	4000V AC 50/60Hz 1minute	
Insulation resistance	Not less than 500M Ω 500V DC	