

HS-UD series

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

<Voltage output type>

Type	HS-UD300V4B12	HS-UD400V4B12	HS-UD500V4B12
Rated current [If]	$\pm 300A$	$\pm 400A$	$\pm 500A$
Continuously flowing DC current	$\pm 450A$	$\pm 450A$	$\pm 450A$
Saturation current [Is]	$\pm 675A$	$\pm 870A$	$\pm 870A$
Linearity limits	$0 \sim \pm 600A$	$0 \sim \pm 800A$	$0 \sim \pm 800A$
Rated output [Vh]	$\pm 4V \pm 1\%$ (RL=10k Ω)		
Residual output [V0]	Within $\pm 20mV$		
Output linearity	Within $\pm 0.5\%$		
Second coil resistance	Approx. 16.8 Ω		
Response time	Within 1 μs (The smaller one on either at $di/dt = 100A/\mu s$ or $I_f/\mu s$.)		
Response performance	Within 10%		
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+(Input current/2000)		
Operating Temp.	$-10^{\circ}C \sim +80^{\circ}C$		
Storage Temp.	$-15^{\circ}C \sim +85^{\circ}C$		
Dielectric withstand voltage	2500V AC 50/60Hz 1minute		
Insulation resistance	Not less than 500M Ω 500V DC		

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

<Current output type>

Type	HS-UD300A015B12	HS-UD400A020B12	HS-UD500A025B12
Rated current [If]	$\pm 300A$	$\pm 400A$	$\pm 500A$
Continuously flowing DC current	$\pm 450A$	$\pm 450A$	$\pm 450A$
Saturation current [Is]	$\pm 675A$	$\pm 750A$	$\pm 850A$
Linearity limits	$0 \sim \pm 600A$ (RL=1 Ω ~5 Ω)	$0 \sim \pm 700A$ (RL=1 Ω ~3 Ω)	$0 \sim \pm 800A$ (RL=1 Ω)
Rated output [Ih]	$\pm 150mA \pm 1\%$	$\pm 200mA \pm 1\%$	$\pm 250mA \pm 1\%$
Residual output [I0]	Within $\pm 0.2mA$		
Output linearity	Within $\pm 0.5\%$		
Second coil resistance	Approx. 16.8 Ω		
Response time	Within 1 μs (The smaller one on either at $di/dt = 100A/\mu s$ or $I_f/\mu s$.)		
Response performance	Within 10%		
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/2000)		
Operating Temp.	$-10^{\circ}C \sim +80^{\circ}C$		
Storage Temp.	$-15^{\circ}C \sim +85^{\circ}C$		
Dielectric withstand voltage	2500V AC 50/60Hz 1minute		
Insulation resistance	Not less than 500M Ω 500V DC		