

## HS-PHB series

\*Control power supply specification:  $\pm 15V$

Type	HS-PHB35V4B15	HS-PHB40V4B15	HS-PHB45V4B15	HS-PHB50V4B15
Rated current [If]	$\pm 35A$	$\pm 40A$	$\pm 45A$	$\pm 50A$
Continuously flowing DC current	$\pm 25.2A$	$\pm 28.8A$	$\pm 32.4A$	$\pm 36A$
Saturation current [Is]	$\pm 87.5A$	$\pm 100A$	$\pm 112.5A$	$\pm 125A$
Linearity limits	$0 \sim \pm 70A$	$0 \sim \pm 80A$	$0 \sim \pm 90A$	$0 \sim \pm 100A$
Size of primary winding	$\phi 1.3$	$\square 1.2 \times 2$	$\square 1.2 \times 2$	$\square 1.2 \times 2$
Turns	1	1	1	1
Rated output [Vh]	$\pm 4V \pm 1.5\%$ (RL=10k $\Omega$ )			
Residual output [V0]	Within $\pm 30mV$			
Output linearity	Within $\pm 0.5\%$			
Response time	Within $3 \mu s$ (at $di/dt=If/\mu s$ )			
Response performance	Within 20%			
Hysteresis Voltage range	Within 50mV			
Output Temp. Coef.	Within $\pm 0.04\%/^{\circ}C$			
Residual output Temp. Coef.	Within $\pm 1mV/^{\circ}C$			
Control power supply	$\pm 15V \pm 5\%$			
Consumption current	$20mA + (\text{Input current} \times N) / 1270$			
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 $\Omega$ 500V DC			