

HC-PDG series

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

Type	HC-PDG05V4B15	HC-PDG10V4B15	HC-PDG15V4B15	HC-PDG20V4B15	HC-PDG25V4B15
Rated current [If]	$\pm 5A$	$\pm 10A$	$\pm 15A$	$\pm 20A$	$\pm 25A$
Continuously flowing DC current	$\pm 8.8A$	$\pm 13.8A$	$\pm 23.3A$	$\pm 23.3A$	$\pm 23.3A$
Saturation current [Is]	$\pm 15A$	$\pm 25A$	$\pm 37.5A$	$\pm 50A$	$\pm 75A$
Linearity limits	$0 \sim \pm 13.5A$	$0 \sim \pm 22.5A$	$0 \sim \pm 33.75A$	$0 \sim \pm 45A$	$0 \sim \pm 67.5A$
Size of primary winding	$\phi 0.8$	$\phi 1.0$	$\phi 1.3$	$\phi 1.3$	$\phi 1.3$
Turns	10	6	4	3	2
Rated output [Vh]	$\pm 4V \pm 1.5\%$ (RL=10k Ω)				
Residual output [V0]	Within $\pm 50mV$				
Output linearity	Within $\pm 1\%$				
Response time	Within 10 μs (at di/dt=If/ μs)				
Response performance	Within 10%				
Hysteresis Voltage range	Within 60mV				
Output Temp. Coef.	Within $\pm 0.1\%/^{\circ}C$				
Residual output Temp. Coef.	Within $\pm 2mV/^{\circ}C$				
Control power supply	$\pm 15V \pm 5\%$				
Consumption current	Within 20mA				
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				

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Type	HC-PDG30V4B15	HC-PDG35V4B15	HC-PDG40V4B15	HC-PDG45V4B15	HC-PDG50V4B15
Rated current [If]	$\pm 30A$	$\pm 35A$	$\pm 40A$	$\pm 45A$	$\pm 50A$
Continuously flowing DC current	$\pm 23.3A$	$\pm 23.3A$	$\pm 35.4A$	$\pm 35.4A$	$\pm 35.4A$
Saturation current [Is]	$\pm 75A$	$\pm 75A$	$\pm 120A$	$\pm 135A$	$\pm 150A$
Linearity limits	$0 \sim \pm 67.5A$	$0 \sim \pm 67.5A$	$0 \sim \pm 120A$	$0 \sim \pm 135A$	$0 \sim \pm 135A$
Size of primary winding	$\phi 1.3$	$\phi 1.3$	$\phi 1.6$	$\phi 1.6$	$\phi 1.6$
Turns	2	2	1	1	1
Rated output [Vh]	$\pm 4V \pm 1.5\%$ (RL=10k Ω)				
Residual output [V0]	Within $\pm 50mV$				
Output linearity	Within $\pm 1\%$				
Response time	Within 10 μs (at di/dt=If/ μs)				
Response performance	Within 10%				
Hysteresis Voltage range	Within 60mV				
Output Temp. Coef.	Within $\pm 0.1\%/^{\circ}C$				
Residual output Temp. Coef.	Within $\pm 2mV/^{\circ}C$				
Control power supply	$\pm 15V \pm 5\%$				
Consumption current	Within 20mA				
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				