

HC-PDK



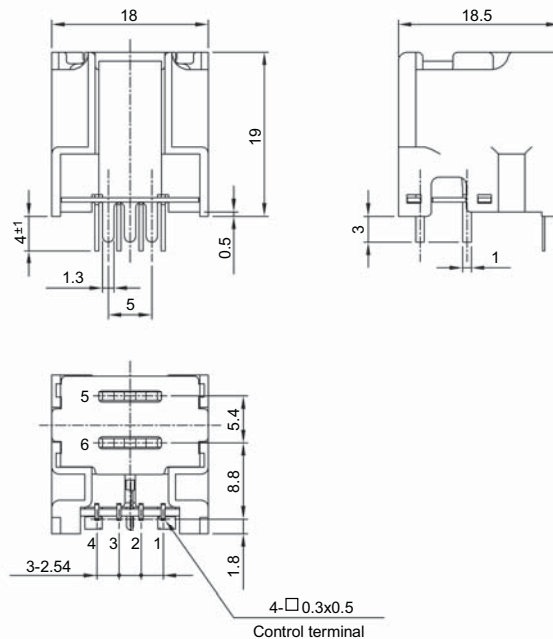
- Rated current 50A ~ 100A
- Superior noise-resistance
- Superior saturation characteristics
- Reduced height compact design
- Single-power supplies also available

Applications

Inverters, Servo drivers, Power supply equipment, Uninterruptible power supply (UPS), NC machine tools, Welders

Dimensions

(mm)



Terminal No. 1 - (-) terminal
2 - GND
3 - (+) terminal
4 - Output
5 - (+) input
6 - (-) input

Weight : 10g

General tolerance: ±0.5

Specification

Ta=25°C

Type	HC-PDK50V4B15	HC-PDK60V4B15	HC-PDK100V4B15
Rated current [If]	±50A	±60A	±100A
Continuously flowing DC current	±100A		
Saturation current [Is]	±150A		
Linearity limits	0~±135A		
Size of primary busbar	Busbar 1 x 7.8		
Turns	1		
Rated output [Vh]	±4V±1.5% (RL=10kΩ)		
Residual output [Vo]	Within ±50mV		
Output linearity	Within ±1%		
Response time	Within 10μs (at di/dt=If/μs)		
Response performance	Within 10%		
Hysteresis voltage range	Within 60mV		
Output Temp. Coef.	Within ±0.1%/°C		
Residual output Temp. Coef.	Within ±2mV/°C		
Control power supply	±15V±5%		
Consumption current	Within 20mA		
Operating Temp.	-10°C~+80°C		
Storage Temp.	-15°C~+85°C		
Dielectric withstand voltage	2500V AC 50/60Hz 1minute		
Insulation resistance	Not less than 500MΩ 500V DC		

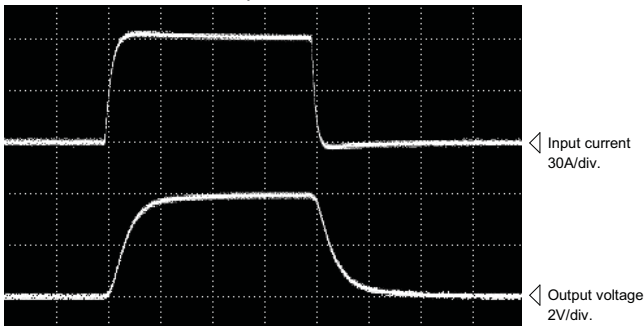
Note1) The indicated residual voltage is the one after the core hysteresis is removed.

Characteristics chart

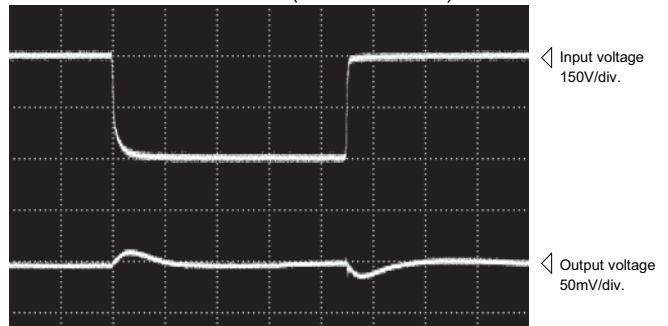
HC-PDK60V4B15

5μs/div. Time base

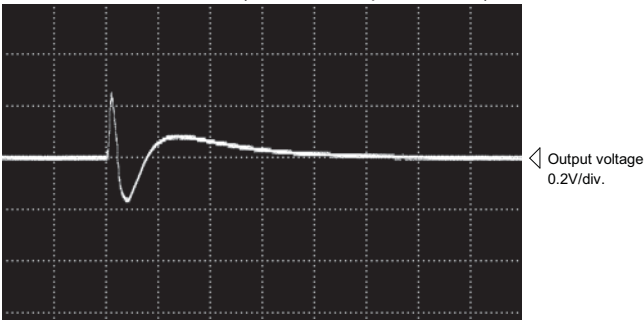
Pulse current response characteristic



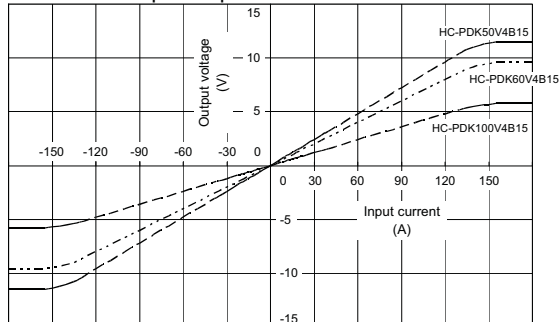
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics Ta=25°C



Note: The marks "◁" means 0V or 0A.