

HC-PGD



- Rated current 50A ~ 400A
- Superior noise-resistance
- Smaller and lighter in weight than conventional products (HC-PG)
- Well isolated for European Standards

Applications

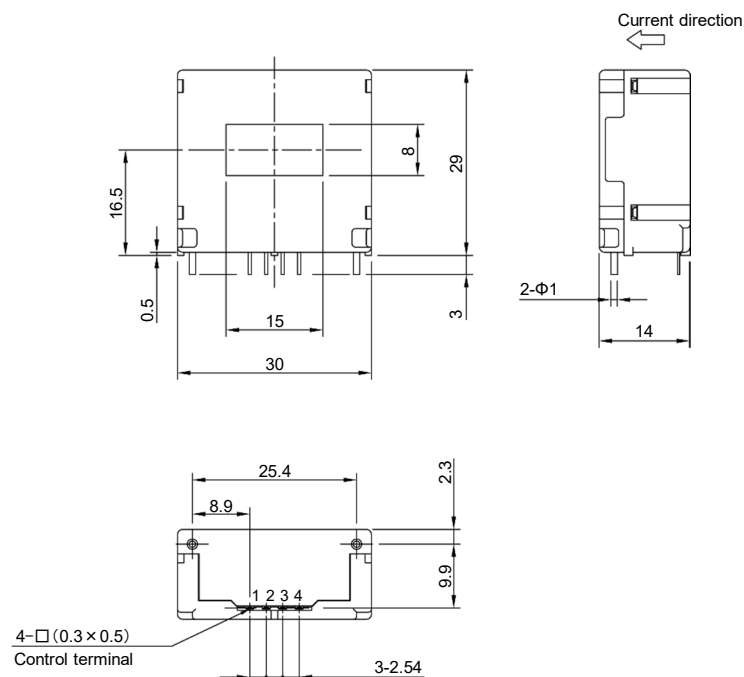
Inverters, Servo drivers, Power supply equipment, Uninterruptible power supply (UPS), Welders

Dimensions

(mm)

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

Weight : 26g



General tolerance: ±0.5

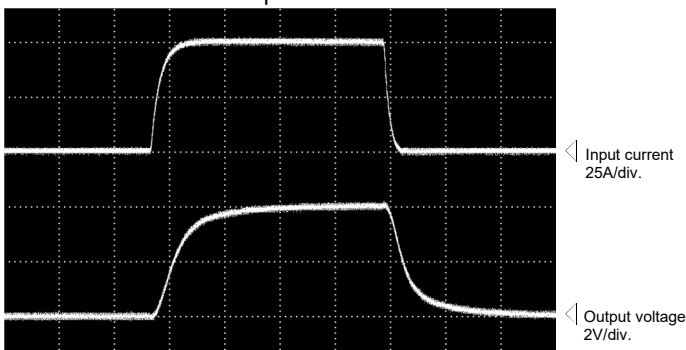
Specification Ta=25°C

Type	HC-PGD050V4B15	HC-PGD100V4B15	HC-PGD200V4B15	HC-PGD300V4B15	HC-PGD400V4B15
Rated current [If]	±50A	±100A	±200A	±300A	±400A
Saturation current [Is]	±150A	±300A	±600A	±900A	±900A
Linearity limits	0~±150A	0~±300A	0~±500A	0~±700A	0~±800A
Rated output [Vh]	V0±4V±1%				
Residual output [V0]	Within ±50mV	Within ±30mV			
Output linearity	Within ±1%				
Response time	Within 5μs (The smaller one on either at di/dt = 100A/μs or If/μs.)				
Response performance	Within 10%				
Hysteresis voltage range	Within 30mV				
Output Temp. Coef.	Within ±0.1%/°C				
Residual output Temp. Coef.	Within ±2mV/°C	Within ±1mV/°C			
Control power supply	±15V±5%				
Consumption current	Within 20mA				
Operating Temp.	-25°C~+85°C				
Storage Temp.	-25°C~+85°C				
Dielectric withstand voltage	4000V AC 50/60Hz 1minute				
Insulation resistance	Not less than 500MΩ 500V DC				

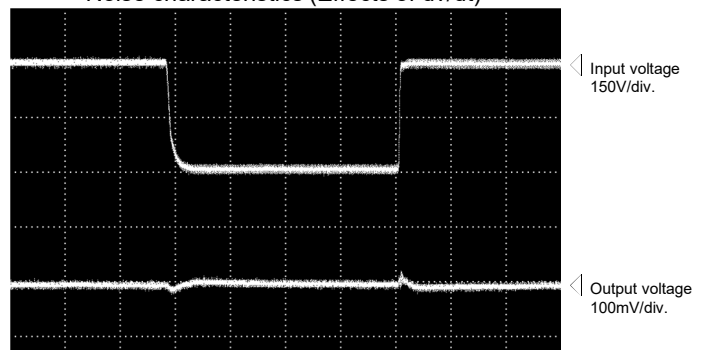
Note1) The indicated residual output is the one after the core hysteresis is removed.

Characteristics chart HC-PGD050V4B15 Time base: 5μs/div.

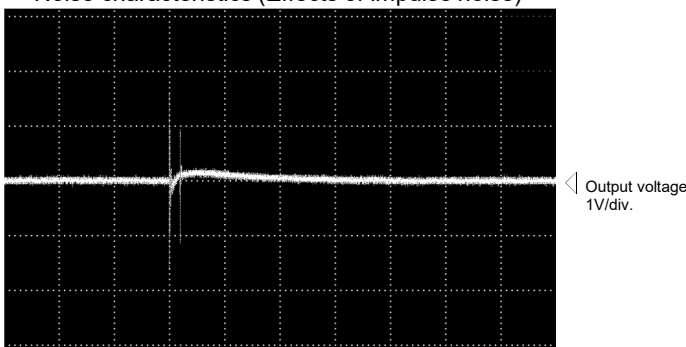
Pulse current response characteristic



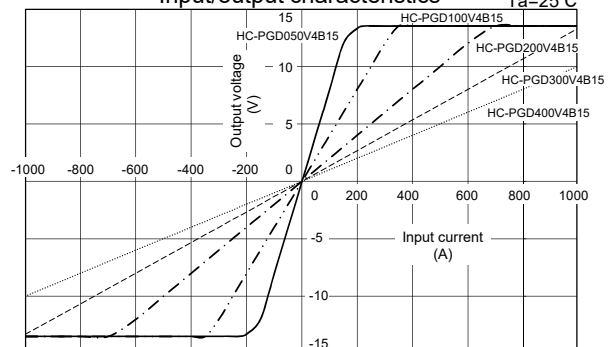
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics



Note: The marks "◁" means 0V or 0A.