

\*制御電源 ±12V仕様

<電圧出力タイプ>

| 形名<br>(Type)                                  | HS-U050V4B12   | HS-U100V4B12              | HS-U200V4B12 | HS-U250V4B12 |
|---|--|---------------------------|--------------|--------------|
| 定格電流 [If]<br>(Rated current)                  | ±50A   | ±100A                     | ±200A        | ±250A        |
| 連続通電DC電流<br>(Continuously flowing DC current) | ±50A   | ±100A                     | ±200A        | ±250A        |
| 飽和電流 [Is]<br>(Saturation current)             | ±100A  | ±200A                     | ±250A        | ±250A        |
| 直線性範囲<br>(Linearity limits)                   | 0~±100A  | 0~±200A                   | 0~±250A      | 0~±250A      |
| 定格出力 [Vh]<br>(Rated output)                   | ±4V±1% (RL=10kΩ)   |                           |              |              |
| 残留出力 [V0]<br>(Residual output)                | Within ±20mV   |                           |              |              |
| 直線性<br>(Output linearity)                     | Within ±0.5%   |                           |              |              |
| 二次巻線抵抗<br>(Second coil resistance)            | Approx. 25Ω  | Approx. 50Ω               |              |              |
| 応答速度<br>(Response time)                       | Within 1 μs (The smaller one on either at di/dt = 100A/μs or If/μs.) |                           |              |              |
| 過渡特性<br>(Response performance)                | Within 10%   |                           |              |              |
| ヒステリシス巾<br>(Hysteresis Voltage range)         | Within 20mV  |                           |              |              |
| 出力温度特性<br>(Output Temp. Coef.)                | Within ±0.02%/°C   |                           |              |              |
| 残留出力温度特性<br>(Residual output Temp. Coef.)     | Within ±1mV/°C   |                           |              |              |
| 制御電源<br>(Control power supply)                | ±12V±5%  |                           |              |              |
| 消費電流<br>(Consumption current)                 | 20mA+(Input current/1000)  | 20mA+(Input current/2000) |              |              |
| 使用温度範囲<br>(Operating Temp.)                   | -10°C~+80°C  |                           |              |              |
| 保存温度範囲<br>(Storage Temp.)                     | -15°C~+85°C  |                           |              |              |
| 耐電圧<br>(Dielectric withstand voltage)         | 2500V AC 50/60Hz 1minute   |                           |              |              |
| 絶縁抵抗<br>(Insulation resistance)               | Not less than 500MΩ 500V DC  |                           |              |              |

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<電流出カタイプ>

| 形名<br>(Type)                                  | HS-U050A005B12   | HS-U100A005B12            | HS-U200A010B12   | HS-U250A0125B12  |
|---|--|---------------------------|------------------|------------------|
| 定格電流 [If]<br>(Rated current)                  | ±50A   | ±100A                     | ±200A            | ±250A            |
| 連続通電DC電流<br>(Continuously flowing DC current) | ±50A   | ±100A                     | ±200A            | ±250A            |
| 飽和電流 [Is]<br>(Saturation current)             | ±150A  | ±250A                     | ±250A            | ±250A            |
| 直線性範囲<br>(Linearity limits)                   | 0~±120A (RL=40Ω)   | 0~±250A (RL=10Ω)          | 0~±250A (RL=10Ω) | 0~±250A (RL=10Ω) |
| 定格出力 [Ih]<br>(Rated output)                   | ±50mA±1%   |                           | ±100mA±1%        | ±125mA±1%        |
| 残留出力 [I0]<br>(Residual output)                | Within ±0.2mA  |                           |                  |                  |
| 直線性<br>(Output linearity)                     | Within ±0.5%   |                           |                  |                  |
| 二次巻線抵抗<br>(Second coil resistance)            | Approx. 25Ω  | Approx. 50Ω               |                  |                  |
| 応答速度<br>(Response time)                       | Within 1 μs (The smaller one on either at di/dt = 100A/μs or If/μs.) |                           |                  |                  |
| 過渡特性<br>(Response performance)                | Within 10%   |                           |                  |                  |
| ヒステリシス巾<br>(Hysteresis Voltage range)         | Within 0.2mA   |                           |                  |                  |
| 出力温度特性<br>(Output Temp. Coef.)                | Within ±0.02%/°C   |                           |                  |                  |
| 残留出力温度特性<br>(Residual output Temp. Coef.)     | Within ±0.01mA/°C  |                           |                  |                  |
| 制御電源<br>(Control power supply)                | ±12V±5%  |                           |                  |                  |
| 消費電流<br>(Consumption current)                 | 20mA+(Input current/1000)  | 20mA+(Input current/2000) |                  |                  |
| 使用温度範囲<br>(Operating Temp.)                   | -10°C~+80°C  |                           |                  |                  |
| 保存温度範囲<br>(Storage Temp.)                     | -15°C~+85°C  |                           |                  |                  |
| 耐電圧<br>(Dielectric withstand voltage)         | 2500V AC 50/60Hz 1minute   |                           |                  |                  |
| 絶縁抵抗<br>(Insulation resistance)               | Not less than 500MΩ 500V DC  |                           |                  |                  |