

# HC-MSN series

\*制御電源 ±15V仕様

| 形名<br>(Type)                              | HC-MSN300V4B15                  | HC-MSN400V4B15 | HC-MSN500V4B15 | HC-MSN600V4B15 | HC-MSN800V4B15 | HC-MSNE10V4B15 |
|---|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| 定格電流 [If]<br>(Rated current)              | ±300A                           | ±400A          | ±500A          | ±600A          | ±800A          | ±1000A         |
| 飽和電流 [Is]<br>(Saturation current)         | ±900A                           | ±1200A         | ±1200A         | ±1200A         | ±2400A         | ±2400A         |
| 直線性範囲<br>(Linearity limits)               | 0~±900A                         | 0~±1000A       | 0~±1000A       | 0~±1000A       | 0~±1900A       | 0~±1900A       |
| 定格出力 [Vh]<br>(Rated output)               | ±4V±1%                          |                |                |                |                |                |
| 残留出力 [V0]<br>(Residual output)            | Within ±30mV                    |                |                |                |                |                |
| 直線性<br>(Output linearity)                 | Within ±1%                      |                |                |                |                |                |
| 応答速度<br>(Response time)                   | Within 10 μs (at di/dt=100A/μs) |                |                |                |                |                |
| 過渡特性<br>(Response performance)            | Within 10%                      |                |                |                |                |                |
| ヒステリシス巾<br>(Hysteresis Voltage range)     | Within 30mV                     |                |                |                |                |                |
| 出力温度特性<br>(Output Temp. Coef.)            | Within ±0.1%/°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)            | ±15V±5%                         |                |                |                |                |                |
| 消費電流<br>(Consumption current)             | Within 30mA                     |                |                |                | Within 50mA    |                |
| 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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\*制御電源 ±15V仕様

| 形名<br>(Type)                              | HC-MSNE12V4B15                  | HC-MSNE15V4B15 | HC-MSNE18V4B15 | HC-MSNE20V4B15T | HC-MSNE25V4B15 | HC-MSNE30V4B15 |
|---|---------------------------------|----------------|----------------|-----------------|----------------|----------------|
| 定格電流 [If]<br>(Rated current)              | ±1200A                          | ±1500A         | ±1800A         | ±2000A          | ±2500A         | ±3000A         |
| 飽和電流 [Is]<br>(Saturation current)         | ±2400A                          | ±2400A         | ±2400A         | ±5000A          | ±5000A         | ±5000A         |
| 直線性範囲<br>(Linearity limits)               | 0~±1900A                        | 0~±1900A       | 0~±1900A       | 0~±4500A        | 0~±4500A       | 0~±4500A       |
| 定格出力 [Vh]<br>(Rated output)               | ±4V±1%                          |                |                | ±4V±2%          |                |                |
| 残留出力 [V0]<br>(Residual output)            | Within ±30mV                    |                |                |                 |                |                |
| 直線性<br>(Output linearity)                 | Within ±1%                      |                |                |                 |                |                |
| 応答速度<br>(Response time)                   | Within 10 μs (at di/dt=100A/μs) |                |                |                 |                |                |
| 過渡特性<br>(Response performance)            | Within 10%                      |                |                |                 |                |                |
| ヒステリシス巾<br>(Hysteresis Voltage range)     | Within 30mV                     |                |                |                 |                |                |
| 出力温度特性<br>(Output Temp. Coef.)            | Within ±0.1%/°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)            | ±15V±5%                         |                |                |                 |                |                |
| 消費電流<br>(Consumption current)             | Within 50mA                     |                |                |                 |                |                |
| 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     |                |                |                 |                |                |