

HC-MN series

*Control power supply specification: $\pm 12V$

| Type | HC-MN300V4B12 | HC-MN400V4B12 | HC-MN500V4B12 | HC-MN600V4B12 | HC-MN800V4B12 | HC-MNE10V4B12 |
|------------------------------|--|-------------------|--------------------|--------------------|--------------------|--------------------|
| Rated current [If] | $\pm 300A$ | $\pm 400A$ | $\pm 500A$ | $\pm 600A$ | $\pm 800A$ | $\pm 1000A$ |
| Saturation current [Is] | $\pm 675A$ | $\pm 900A$ | $\pm 1125A$ | $\pm 1200A$ | $\pm 1800A$ | $\pm 2250A$ |
| Linearity limits | $0 \sim \pm 675A$ | $0 \sim \pm 900A$ | $0 \sim \pm 1000A$ | $0 \sim \pm 1000A$ | $0 \sim \pm 1800A$ | $0 \sim \pm 1900A$ |
| Rated output [Vh] | $\pm 4V \pm 1\%$ | | | | | |
| Residual output [V0] | Within $\pm 30mV$ | | | | | |
| Output linearity | Within $\pm 1\%$ | | | | | |
| Response time | Within $10 \mu s$ (at $di/dt=100A/\mu s$) | | | | | |
| Response performance | Within 10% | | | | | |
| Hysteresis Voltage range | Within 30mV | | | | | |
| Output Temp. Coef. | Within $\pm 0.1\%/^{\circ}C$ | | | | | |
| Residual output Temp. Coef. | Within $\pm 1mV/^{\circ}C$ | | | | | |
| Control power supply | $\pm 12V \pm 5\%$ | | | | | |
| Consumption current | Within 30mA | | | | Within 50mA | |
| 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 $500M\Omega$ 500V DC | | | | | |

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*Control power supply specification: $\pm 12V$

| Type | HC-MNE12V4B12 | HC-MNE15V4B12 | HC-MNE18V4B12 | HC-MNE20V4B12T | HC-MNE25V4B12 | HC-MNE30V4B12 |
|------------------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| Rated current [If] | $\pm 1200A$ | $\pm 1500A$ | $\pm 1800A$ | $\pm 2000A$ | $\pm 2500A$ | $\pm 3000A$ |
| Saturation current [Is] | $\pm 2400A$ | $\pm 2400A$ | $\pm 2400A$ | $\pm 4500A$ | $\pm 5000A$ | $\pm 5000A$ |
| Linearity limits | $0 \sim \pm 1900A$ | $0 \sim \pm 1900A$ | $0 \sim \pm 1900A$ | $0 \sim \pm 4500A$ | $0 \sim \pm 4500A$ | $0 \sim \pm 4500A$ |
| Rated output [Vh] | $\pm 4V \pm 1\%$ | | | $\pm 4V \pm 2\%$ | | |
| Residual output [V0] | Within $\pm 30mV$ | | | | | |
| Output linearity | Within $\pm 1\%$ | | | | | |
| Response time | Within $10 \mu s$ (at $di/dt=100A/\mu s$) | | | | | |
| Response performance | Within 10% | | | | | |
| Hysteresis Voltage range | Within 30mV | | | | | |
| Output Temp. Coef. | Within $\pm 0.1\%/^{\circ}C$ | | | | | |
| Residual output Temp. Coef. | Within $\pm 1mV/^{\circ}C$ | | | | | |
| Control power supply | $\pm 12V \pm 5\%$ | | | | | |
| Consumption current | Within 50mA | | | | | |
| 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 $500M\Omega$ 500V DC | | | | | |