

HC-MSL



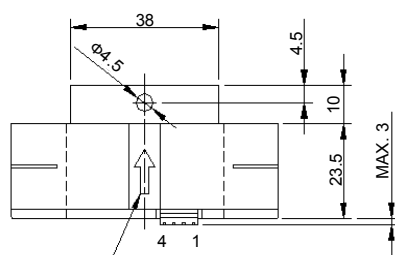
- Rated current 300A ~ 3000A
- Screw type control terminals also available
- ± 12 Volt version also available

Applications

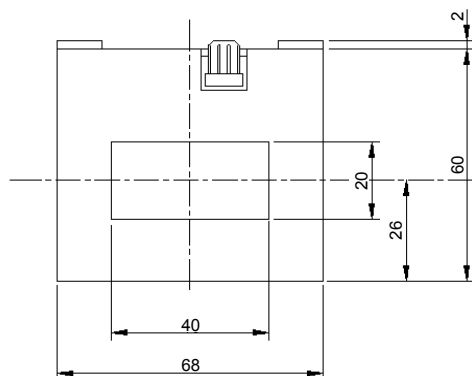
Inverters, Power supply equipment, Uninterruptible power supply (UPS), NC machine tools, Welders

Dimensions

(mm)



Current direction indicator

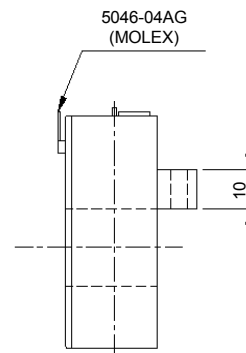


General tolerance: ± 0.5

Supported connector housing
5051-04 (MOLEX)

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

Weight : 200g



Specification

Ta=25°C

Type	HC-MSL300V4B15	HC-MSL600V4B15	HC-MSLE10V4B15	HC-MSLE15V4B15	HC-MSLE30V4B15
Rated current [If]	±300A	±600A	±1000A	±1500A	±3000A
Saturation current [Is]	±900A	±1200A	±2400A	±2400A	±5000A
Linearity limits	0~±900A	0~±1000A	0~±2100A	0~±2100A	0~±4500A
Rated output [Vh]	±4V±1%				±4V±2%
Residual output [Vo]	Within ±30mV				
Output linearity	Within ±1%				
Response time	Within 10μs (at di/dt=100A/μs)				
Response performance	Within 10%				
Hysteresis voltage range	Within 30mV				
Output Temp. Coef.	Within ±0.1%/°C				
Residual output Temp. Coef.	Within ±1mV/°C				
Control power supply	±15V±5%				
Consumption current	Within 30mA		Within 50mA		
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 rated output is the one when no load is applied.

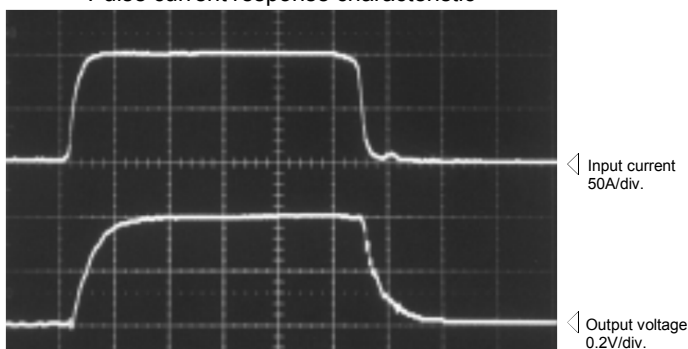
Note2) The indicated residual output is the one after the core hysteresis is removed.

Characteristics chart

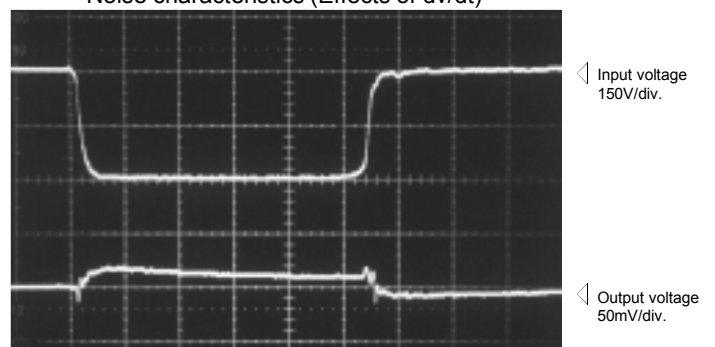
HC-MSLE10V4B15

Time base: 5μs/div.

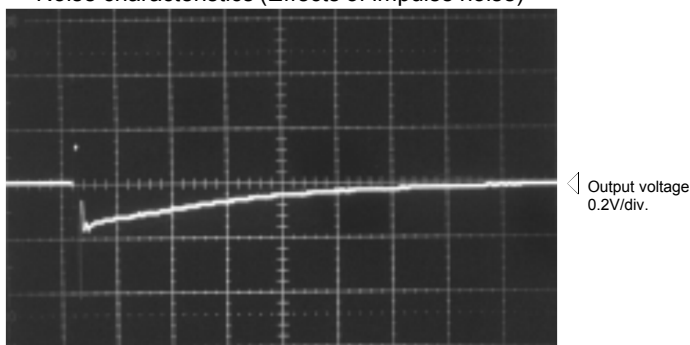
Pulse current response characteristic



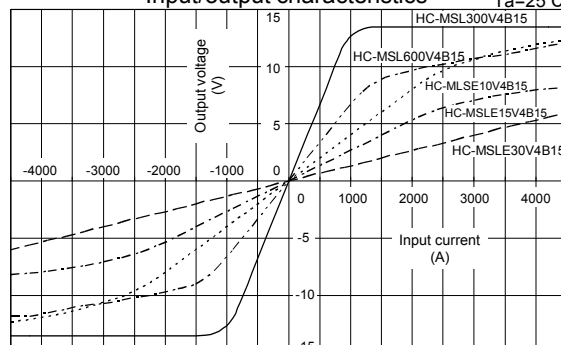
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics



Note: The marks "◁" means 0V or 0A.