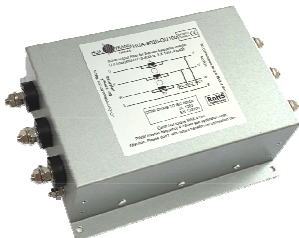


EMC 三相變頻器輸出端 du/dt 濾波器

EMC Output du/dt Filter For Motor Drives



Product Features

- Smoothing the output voltage of PWM drives
- Enhances the efficiency and reduces heating of the inverter
- Increasing the motor service life
- Protecting motors from destructive effect of peak voltages
- Rated currents from 1 to 600A

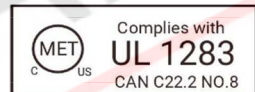
產品特點

- 抑制變頻器輸出側的湧浪電壓
- 提升變頻器效率並減少發燙
- 延長馬達使用壽命
- 防止馬達線圈被突波電壓擊穿
- 本系列支援最高 600A 的電流

Technical Specifications

Rated voltage	220~480VAC
Rated currents	1 to 600A @ 40°C
Overload current	1.2 × Rated Current (1 min./hour)
Max Leakage current	≤ 0.5 mA @ 250V/60Hz
Max peak voltage	≤ 1kV/ μ s
Temperature range	-25 to +85 °C
Temperature rise	≤ 30°C
High potential test voltage	L → E 2000 VAC / 2250 VDC L → N 2500 VDC
Insulation Resistance	L → E ≥ 3000M Ω L → N ≥ 2000M Ω
Certified to	UL 1283, EN55011, EN55022, CISPR 16-2-3, EN/IEC 60950, 61000

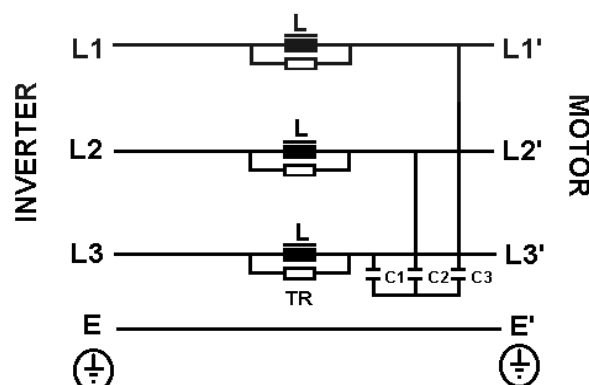
Approvals & Compliances



Applications

- Motor drive applications with short to medium motor cable length (< 80 m)
- HVAC equipment, pumps, fans and compressors
- Motor drives for process lines
- Machinery comprising servo or torque motors
- Elevators, hoisting and cranes

Typical Electrical Schematic



Filter Selection Table

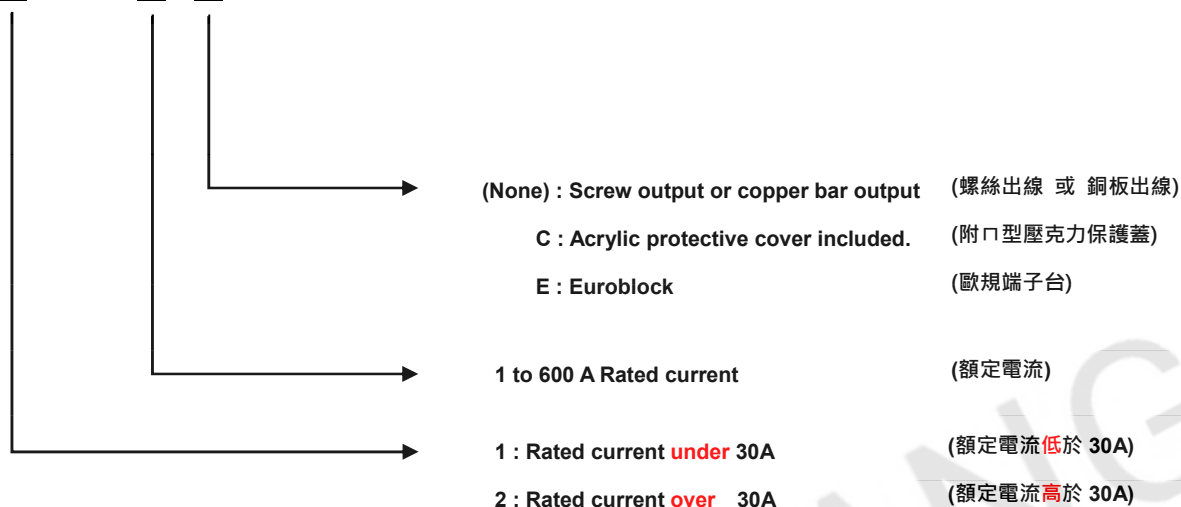
Model	Rated current @ 40°C [A]	Rated voltage [VAC]	Resistance L-L' (±15%) [mΩ]	Power loss (total ±15%) [W]	Dimensional figures
HUA-9010-OU06	6	0~480	6.025	0.2169	A
HUA-9010-OU08	8		6.025	0.3856	
HUA-9010-OU10	10		5.575	0.5575	
HUA-9010-OU16	16		5.05	1.2928	
HUA-9010-OU25	25		2.875	1.796875	
HUA-9020-OU40	40		2.4	3.84	B
HUA-9020-OU50	50		2.175	5.4375	
HUA-9020-OU64	64		2.075	8.4992	
HUA-9020-OU80	80		1.8775	12.016	
HUA-9020-OU110	110		1.8	21.78	C
HUA-9020-OU150	150		1.75	39.375	
HUA-9020-OU180	180		1.6325	52.893	
HUA-9020-OU250	250		1.625	101.5625	
HUA-9020-OU300	300		1.5	135	
HUA-9020-OU350	350		1.45	177.625	D
HUA-9020-OU400	400		1.45	232	
HUA-9020-OU450	450		1.375	278.4375	
HUA-9020-OU500	500		1.25	312.5	
HUA-9020-OU600	600		1.125	405	

* For requirements over 600 amperes, please contact us directly.

* 如果您的電流需求 > 600A，請直接聯繫我們。

Product Selector

HUA – 90□0 – OU □ - □



NOTICE:

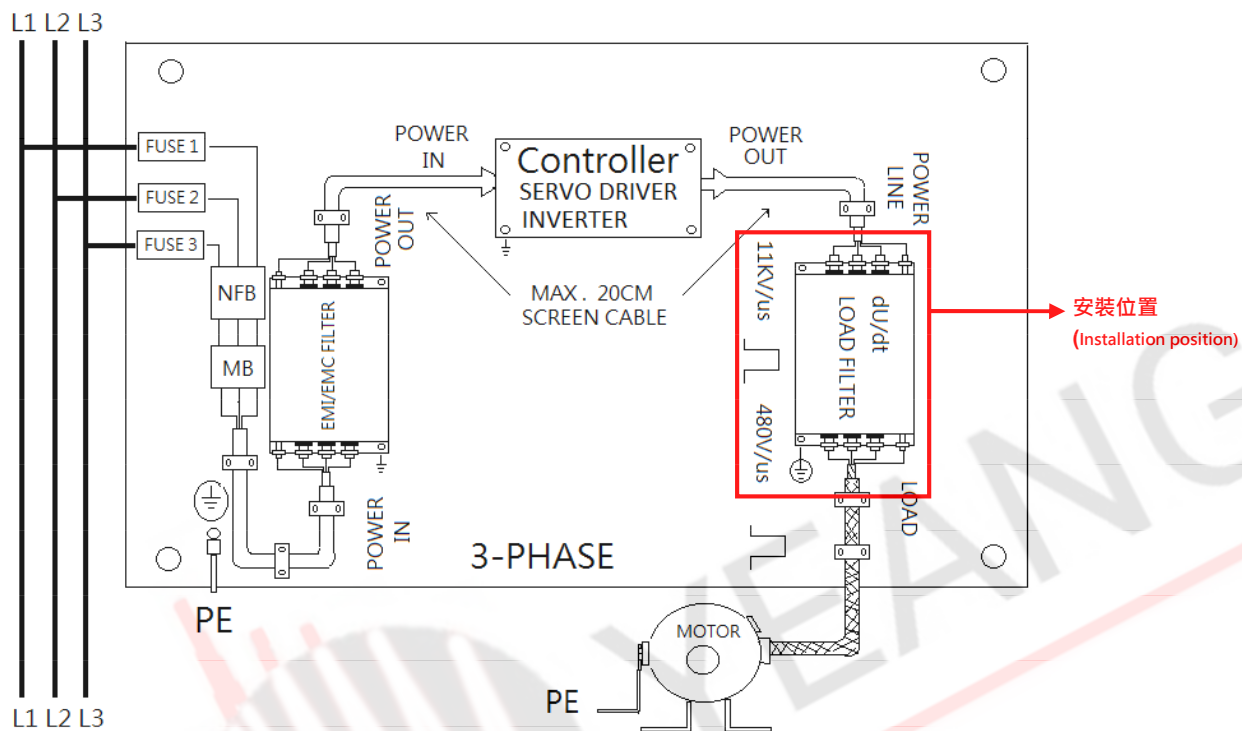
When selecting the output filter model, please choose our product based on **the full load current** (the filter's safe current range should be 1.2 to 1.5 times the full load current).

$$\text{Inverter operating current} = \frac{\text{Horsepower} \times 746}{\text{Operating voltage}}$$

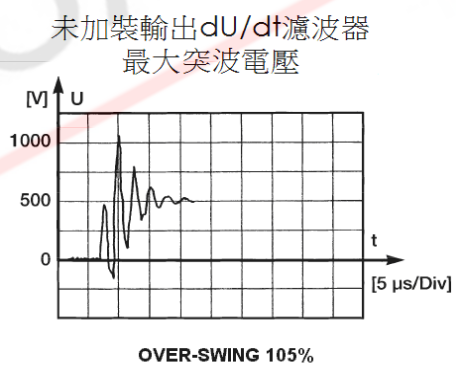
選擇濾波器型號時，請根據**全載電流**來選擇我們的產品
(濾波器的安全電流範圍應為全載電流的 1.2 至 1.5 倍)。

$$\text{變頻器工作電流} = \frac{\text{馬力} \times 746}{\text{工作電壓}}$$

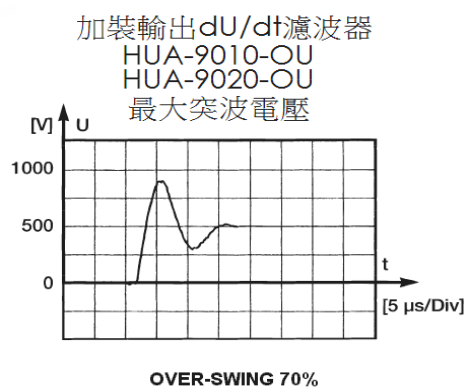
Wiring Diagram (接線圖)



Waveform Comparison Chart (波形示意圖)



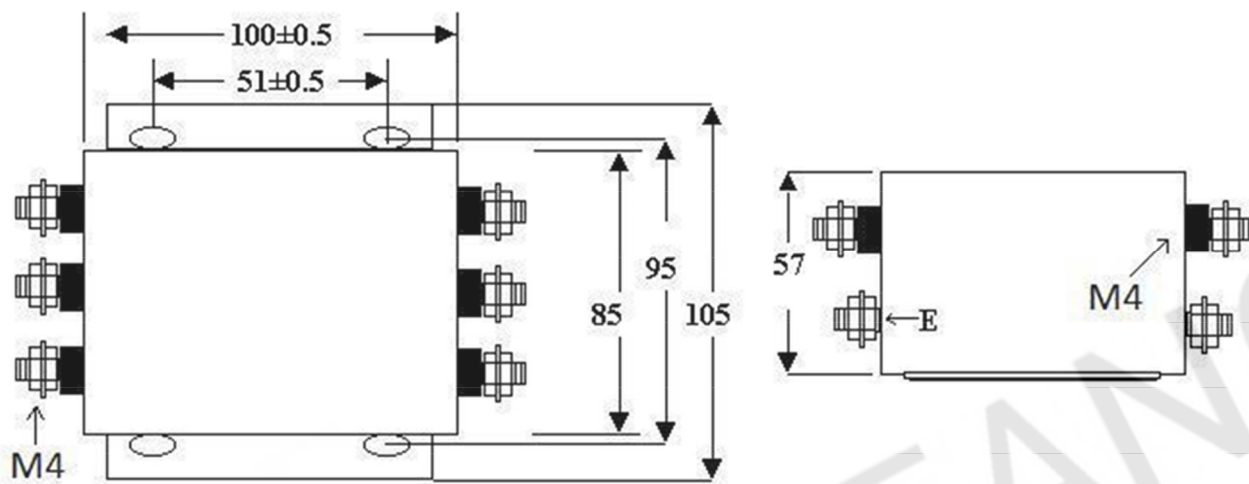
Without du/dt filter



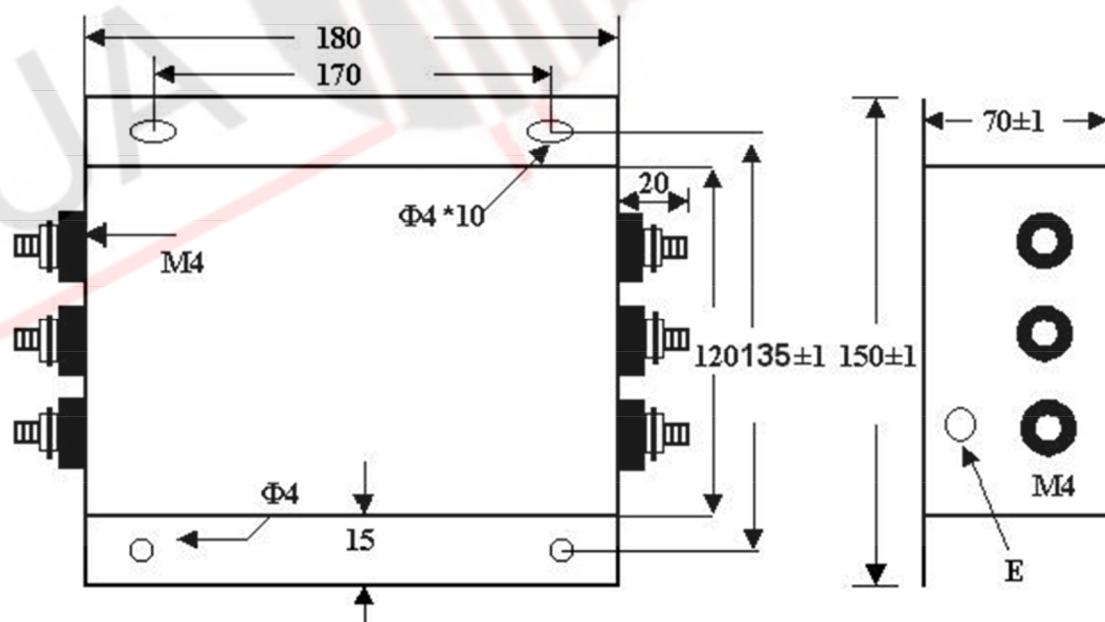
With du/dt filter

Dimensional Figures (尺寸圖) (Unit : mm)

A

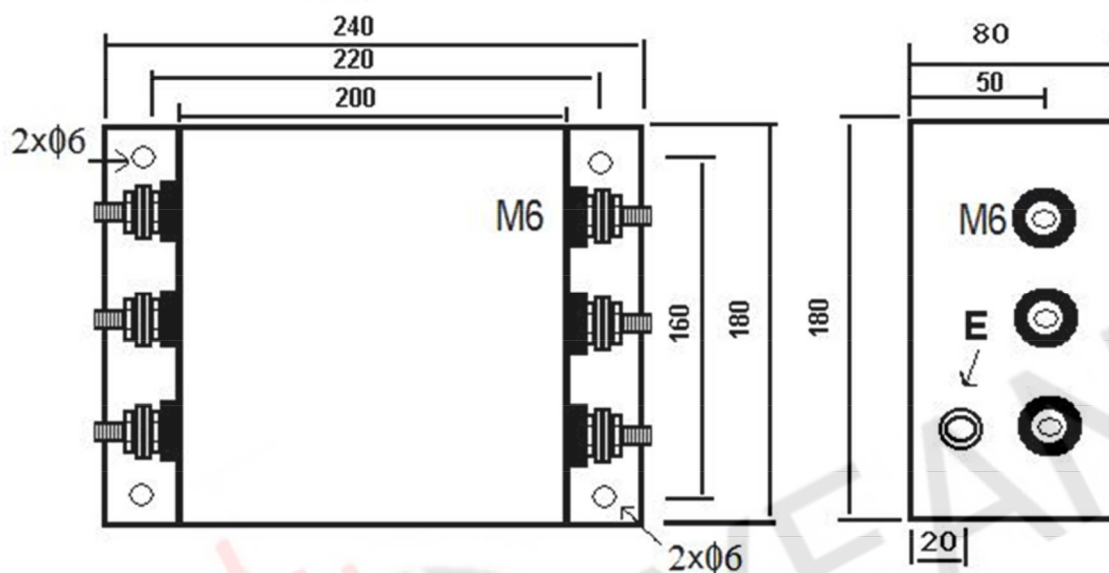


B

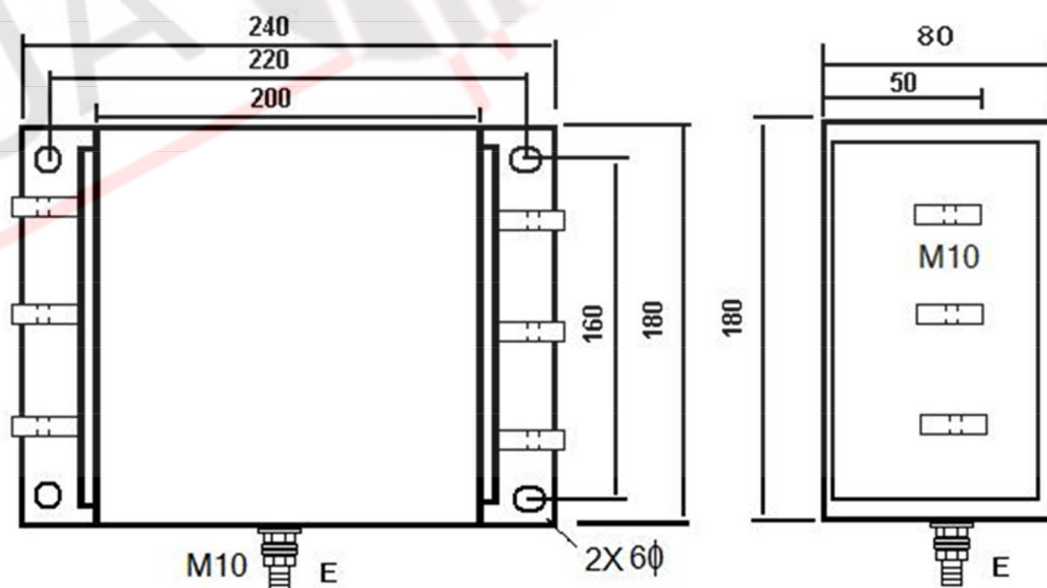


Dimensional Figures (尺寸圖) (Unit : mm)

C



D



Dimensional Figures (尺寸圖) (Unit : mm)

E

