

[Noise filter] Information on the new products, April 2010

Noise Filter

Single-phase AC250V 3-30A

5-year warranty

NEW

**Our noise filters
have been
further downsized.**



EA series

[**EA series**] A compact noise filter that is one of the smallest in the industry

Volume: reduced by 50% / **Weight:** reduced by 40% / **Mounting surface:** reduced by 30%

Dimensions 39 x 30 x 85mm **Weight** 170g max

Comparison of the mounting surface

Comparison of the front view

Conventional type

NEW EA series

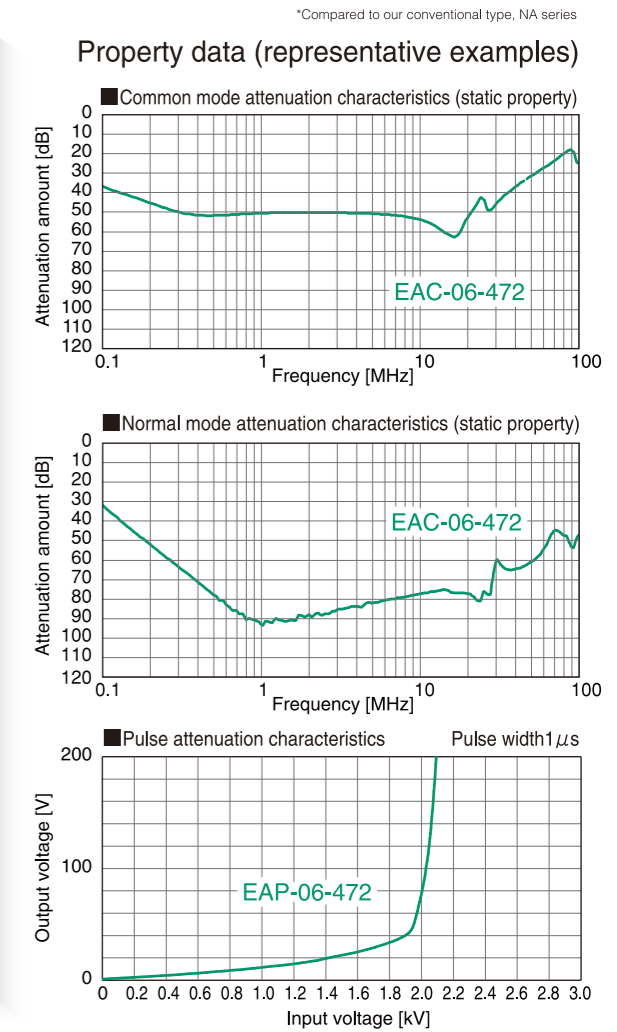
This downsizing has been realized through our original pot-shaped case design and optimal thermal efficiency achieved by means of heat simulation

Three contributions which only EA series can offer:

1U We can help you downsize your equipment.
[Height] As it is only 30mm high, it can fit to a 1U rack

We can help you create eco-friendly designs.
[Resource saving] Weight = reduction of about 5t/year
*In case of delivery of 24,000 units a year; compared to NA series

We can help you reduce the man-hours required for wiring & installation work in your plants.
[Reduced man-hour] ● Terminal block of the push-down type
 ● DIN rail mounting (option)



All-in-one type **Terminal block of the push-down type**

Poor wiring work efficiency!
Run-up of superfluous cost!
Many covers and screws go missing!

Insert the crimp-type terminal and tighten the screw
 Close the slide cover

The two-step "tightening and closing" procedure reduces the wiring man-hours needed for stud terminal products by 20%.

Because the process of loosening screws to remove them as well as the problem of dropping or losing screws are eliminated, no additional cost arises. And, because a slide cover is provided, you can cover the live part easily after wiring work.

You can select! **Selectable leak current specification**

EAC : 150μA~1.0mA
EAM : 10μA~100μA
EAP : 10μA~1.0mA

The leak current specification is selectable, which makes a wide variety of EMS measures available. This provides the effect of combination with the switching power source.

Example of combination with the switching power source

PBA150F-24-G
 Level [dB μV] vs Frequency [Hz] graph
 Leak current = 0.09mA AC230V

PBA150F-24-G + EAM-06-471
 Level [dB μV] vs Frequency [Hz] graph
 Leak current = 0.16mA AC230V

DIN rail installation

You can mount a DIN rail that makes wiring as well as mounting work easier and enhances your work efficiency.

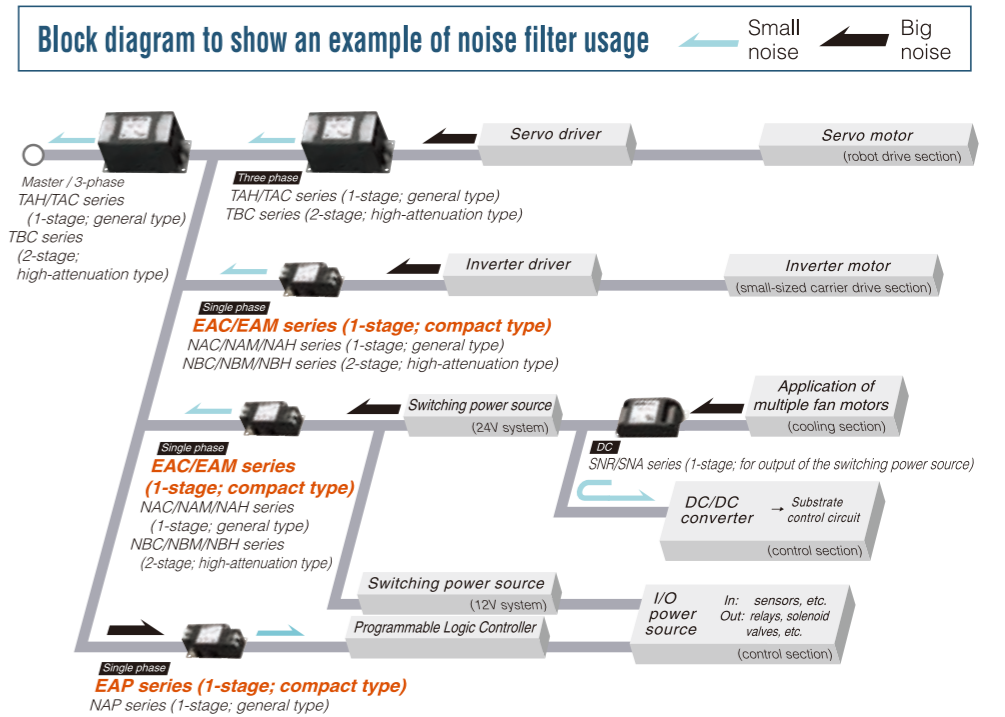
Option

Safety agency approvals

RoHS 符合 符合 CE 符合 符合 10

RoHS Directive 2002 / 95 / EC compliant
ENEC mark

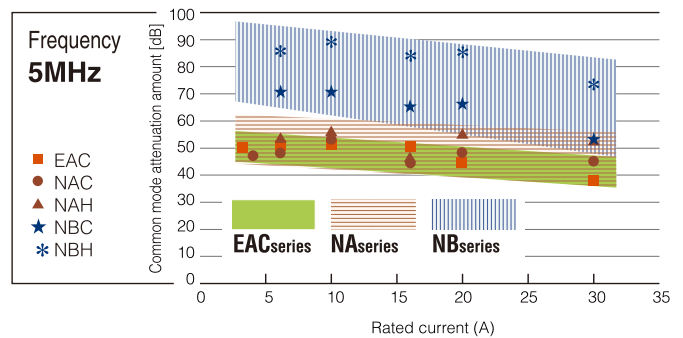
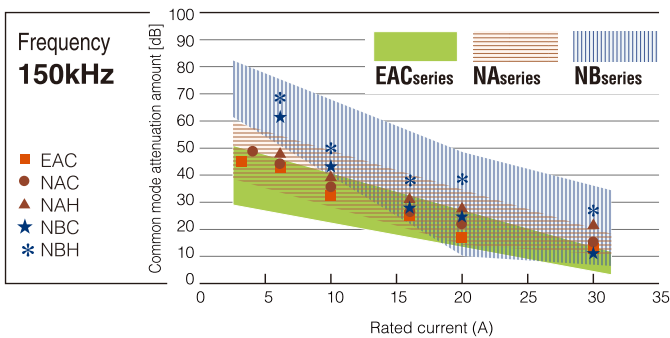
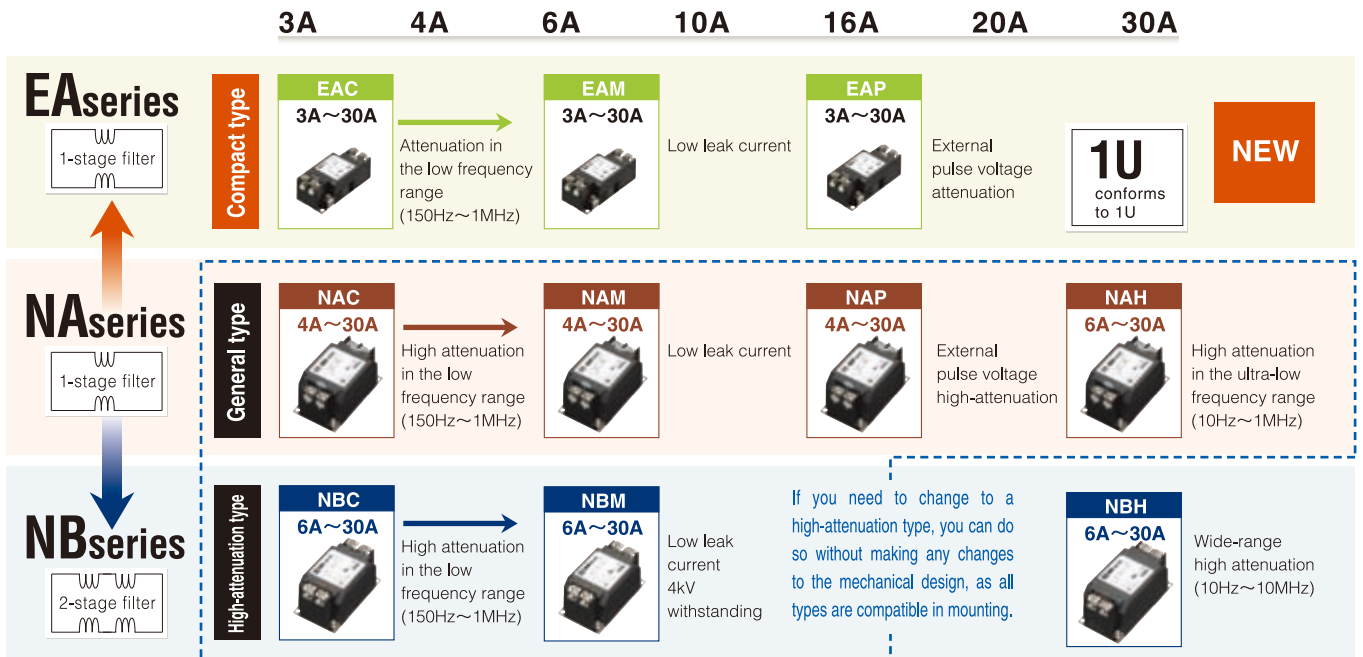
No safety approval application processes are necessary in any of the European Union countries (20 countries)



NEW Noise Filter

Model name	Low frequency attenuation type		Low leak current type	External pulses voltage attenuation type
	EAC		EAM	EAP
Rated voltage	AC 1 ϕ 250V / DC250V			
Test voltage	AC2,500V (Cutoff current=20mA), per minute at normal temperature and humidity			
Leak current (AC250V 60Hz)	150 μ A~1.0mA	10 μ A~100 μ A	10 μ A~1.0mA	
Operating temperature	-40°C~+85°C (With derating over : 55°C) (Safety standard : -25°C~)			
Safety agency approvals	UL1283, CSA C22.2 No.8 (C-UL), DIN EN60939 VDE0565 Teil3-1, ENEC (other than DC input)			
Outer dimensions (W x H x D) / weight	39 x 30 x 85mm (excluding projections) / 170g max			

Single-phase noise filter selection guide



Common mode attenuation image map by product series



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