

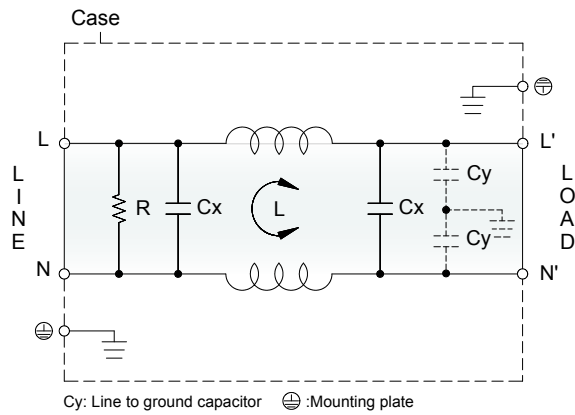
### Features

- Superior attenuation of common-mode noise
- Light weight plastic housing design
- Current rating 1A~30A
- Integrated nut is in hinged cover for reliable ring lug wiring
- Suitable for generally industrial applicaces

### Marketing Applications

- UPS
- Automated LED sorting machine
- Treadmill
- Building automation
- Automatic data processing system

### Electrical Schematic



### Special Features

- CNAC series: best frequency bands 150kHz~1MHz.
- CNAH series: best frequency bands 10kHz~1MHz.
- CNAP series: high-voltage pulses.

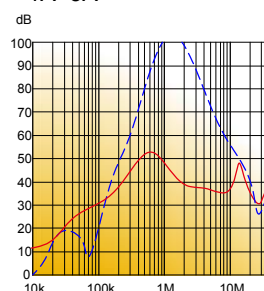
### Technical Data and Measuring Conditions

No.	Filter PRJ No.	01CNAC472	03CNAC472	06CNAC472	10CNAC472	15CNAC472	20CNAC472	30CNAC472
	CNAH series Filter PRJ No.	01CNAH472	03CNAH472	06CNAH472	10CNAH472	15CNAH472	20CNAH472	30CNAH472
	CNAP series Filter PRJ No.	01CNAP472	03CNAP472	06CNAP472	10CNAP472	15CNAP472	20CNAP472	30CNAP472
1	Rated voltage	AC 1∅ 250V / DC250V						
2	Rated current	1A	3A	6A	10A	15A	20A	30A
3	Test voltage	2,500 VAC (Cutoff current: 20mA), 1 min. at room temperature and humidity						
4	Isolation resistance	500VDC 100MΩ min. at room temperature and humidity						
5	Leakage current	1mA @250VAC/60Hz (max.)						
6	Cy cap. value	0 ~ 0.47nF						
7	Voltage drop	1.0V max.						
8	Safety approval temp.	-25° ~ +100°						
9	Operating temperature	-40° ~ +100°						
10	Operating humidity	20 ~ 95%RH (Non condensing)						
11	Storage temp. / humidity	-40° ~ +100°; 20 ~ 95%RH (Non condensing)						
12	Vibration	10 ~ 55Hz, 19.6m/s <sup>2</sup> (2G), 3 min. period, 1 hour each X,Y,Z axis						
13	Impact	196.1m/s <sup>2</sup> (20G), 11ms, once along X,Y,Z axis						
14	Safety approvals	UL1283, CSA C22.2 No.8 (C-UL), VDE0565 Teil3-1, IEC/EN60939						
15	DIN-rail type	Adding suffix to PRJ. No. with D or DP (refer the Mechanical Drawing on page 2)						

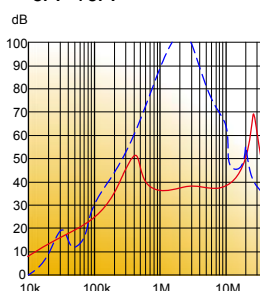
### Filter Attenuation

Insertion loss (dB) in 50 ohm system CISPR 17 (for reference only)

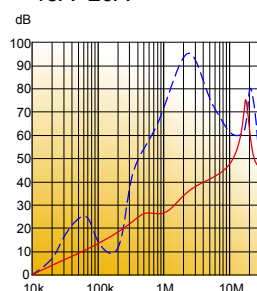
■ 1A~3A



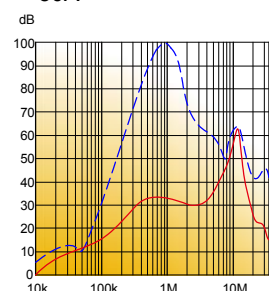
■ 6A~10A



■ 15A~20A



■ 30A

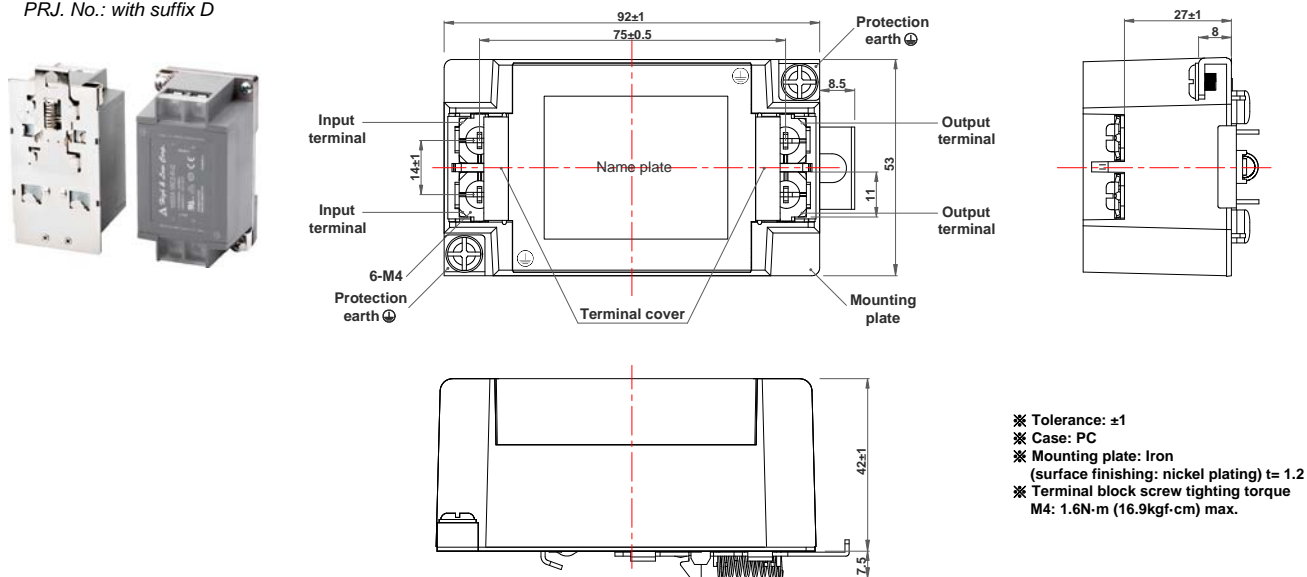


Common mode / Asymmetric (L-G) ————  
Differential mode / Symmetric (L-L) - - - - -

## Mechanical Drawing (unit: mm)

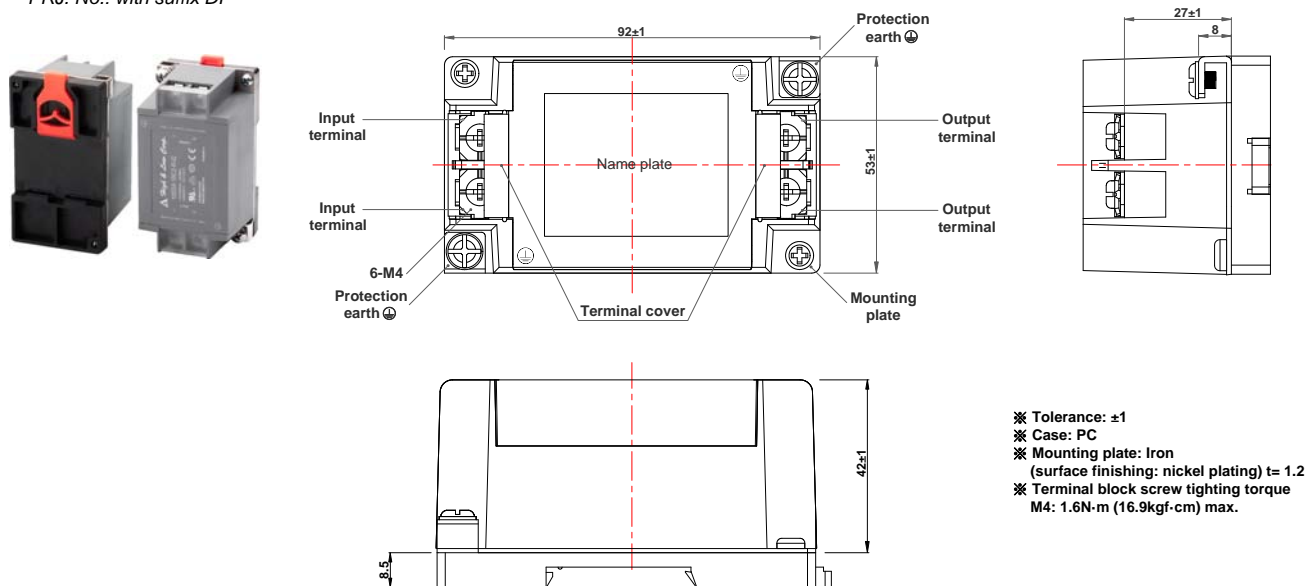
### ● DIN-rail mounting

PRJ. No.: with suffix D



### ● DIN-rail mounting

PRJ. No.: with suffix DP



### Note when installing the EMI filter on a DIN rail:

When the EMI filter is grounded through the DIN rail, the proper noise attenuation may not be achieved.

Be sure to connect the protection earth (PE) of the EMI filter body to the earth.

