

THREE PHASE NOISE FILTERS

TAC Series



- ① Model Name
- ② Rated Current
- ③ Line to ground capacitor code : See table 1.1.

Table 1.1 Line to ground capacitor code

Code	Leakage Current (Input 250 / 500V 60Hz)	Line to ground capacitor (nominal value)
683	2.5 mA / 5.0 mA max	68000pF

- ④ Options
D: DIN rail installation type

* The dimensions change when the option is set. Refer to External view.

Ordering information

TAC **-10** **-683** **-**

① ② ③ ④

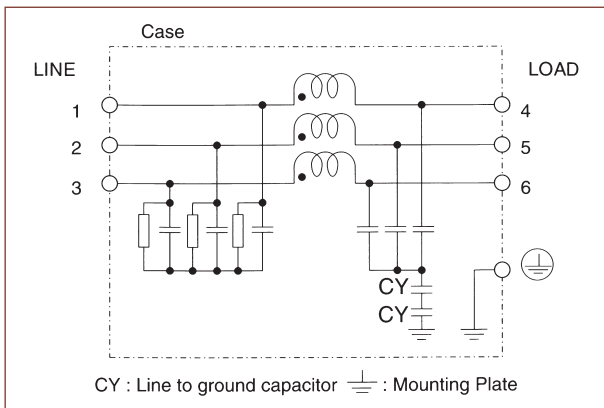
Features of TAC series

- High attenuation of common mode noise from 150kHz to 1MHz
- Three Phase 500 VAC
- Quick and easy push-down terminal
Just connect the wires, push down and tighten the screws with a screwdriver

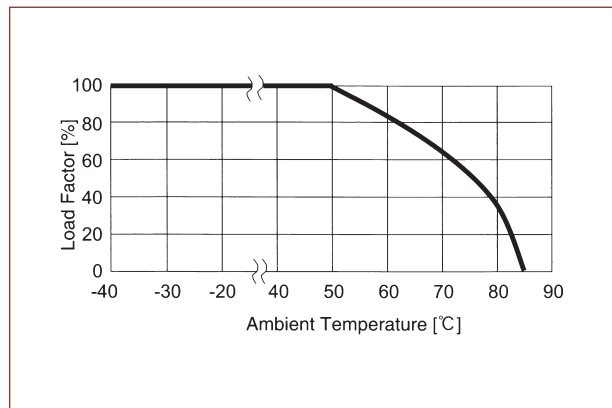
Specifications

No.	Items	TAC-06-683	TAC-10-683	TAC-20-683	TAC-30-683
1	Rated Voltage (V)	AC Three Phase 500			
2	Rated Current (A)	6	10	20	30
3	Test Voltage (Terminal-Mounting Plate)	2,000 VAC (Cutoff Current = 100mA), 1 minute at room temperature and humidity			
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100MΩ minute at room temperature and humidity			
5	Leakage current 250 / 500V 60Hz	2.5mA / 5.0mA max			
6	Voltage drop	1.5V max	1.0V max		
7	Safety agency approval temperatures	-25 to +85°C (Refer to Derating Curve)			
8	Operating temperature	-40 to +85°C (Refer to Derating Curve)			
9	Operating humidity	20 to 95%RH (Non condensing)			
10	Storage temperature/humidity	-40 to +85°C / 20 to 95%RH (Non condensing)			
11	Vibration	10 to 55Hz, 19.6m/s ² (2G), 3min. Period, 1 hour each X, Y and Z axis			
12	Impact	196.1m/s ² (20G), 11ms Once each X, Y, Z axis			
13	Safety agency approvals	UL1283, CSA C22.2 No.8 (C-UL), DIN EN133200 VDE0565 Teil3-1, ENEC (Pending)			
14	Case size (without projection) / Mass	64 X 64 X 128mm (W X H X D) / 620g max (Option : -D refer to external view)			

Circuit Diagram



Derating Curve



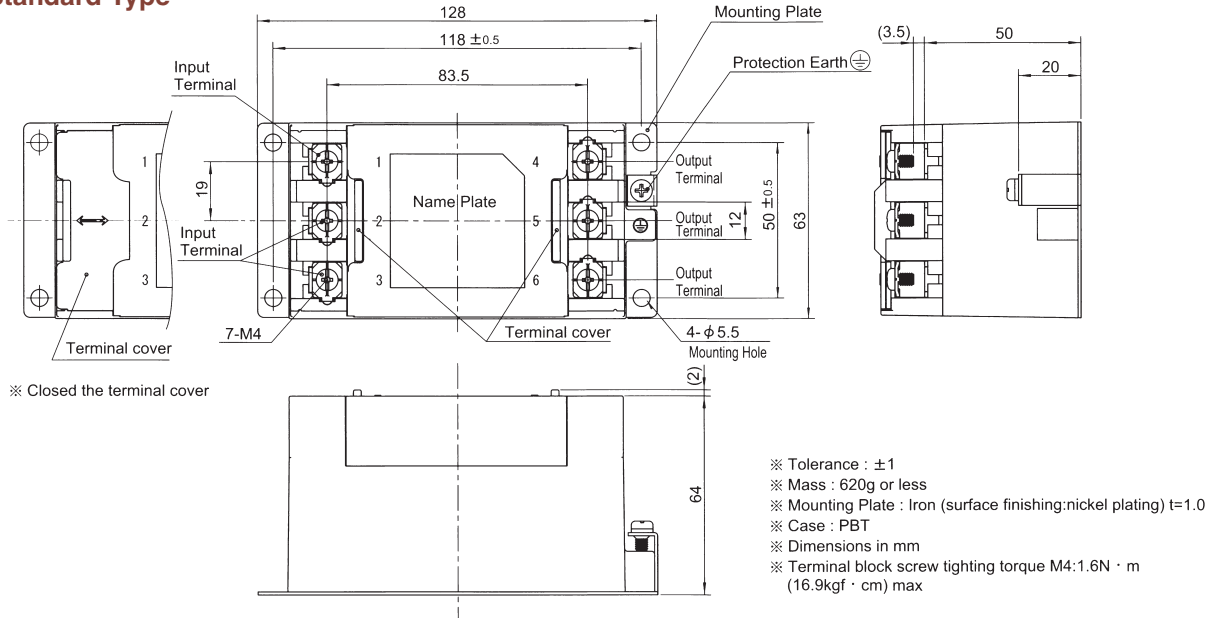
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External View For TAC Series

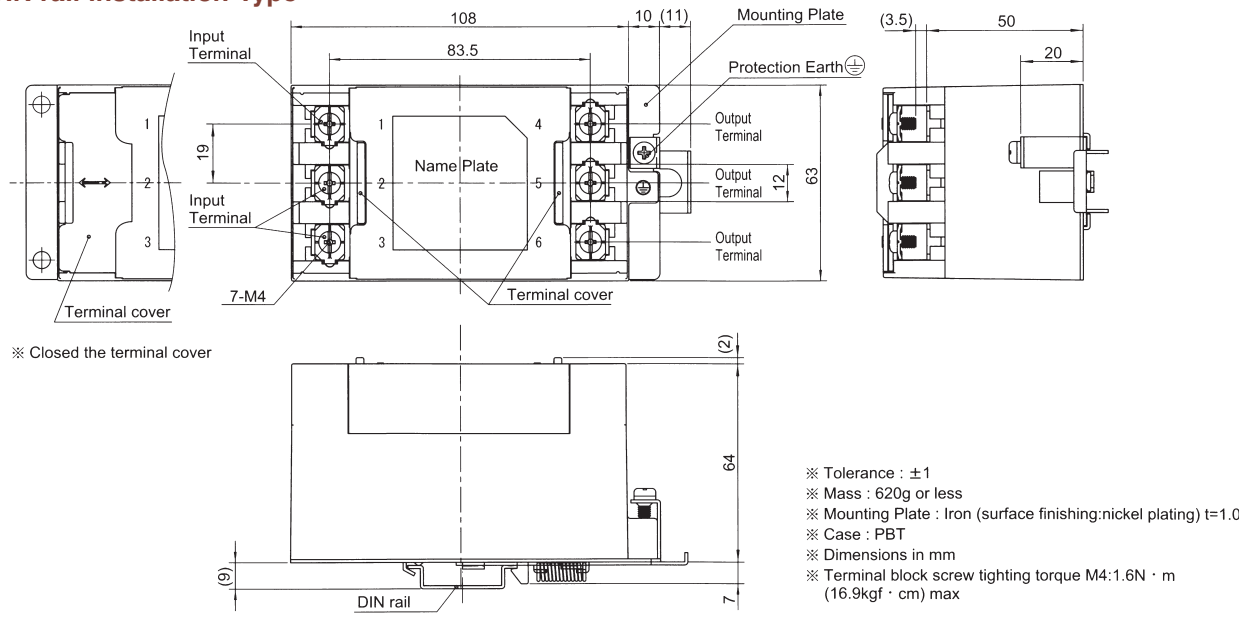
This product is shipped in the following condition, because it is equipped with push-down terminals.

- ① The terminal cover is retracted inside the unit.
- ② The screws for connecting the terminals are held in the right position.

Standard Type



DIN rail installation Type



Note when installing the noise filter on a DIN rail

When the noise 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 noise filter body to the earth.

