COSEL

Three phase input type (1-Stage filter)

TAC/TAH series (4-30A)

c**UL**us   DVE   EN10

RoHS

eco

The terminal cover is retracted inside the unit

DIN rail installation type is option

Features of TAC/TAH series

· **Three phase rated voltage 500VAC (voltage range:528V max)　(1-Stage filter)**
· **Selectable leakage current value**
· **Quick and easy push-down terminal**
　**Just connect the wires, push-down and tighten the screws with a screwdriver.**

■ **TAC : High-attenuation type from 150kHz to 1MHz**

■ **TAH : Ultra high-attenuation type from 9kHz to 1MHz**

Specifications

No.	Items	TAC-04-683 / TAH-04-683	TAC-06-683 / TAH-06-683	TAC-10-683 / TAH-10-683	TAC-20-683 / TAH-20-683	TAC-30-683 / TAH-30-683
1	Rated Voltage[V]	AC Three Phase 500 (voltage range:528 max) 50/60Hz				
2	Rated Current[A]	4	6	10	20	30
3	Test Voltage (Terminal-Mounting Plate)	2,000 VAC (Cutoff Current = 100mA), 1minute at room temperature and humidity				
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100MΩ min at room temperature and humidity				
5	Leakage current	Refer to table 1.1				
6	Voltage drop	1.5V max		1.0V max		
7	Safety agency approval temperatures	-25 to +85℃ (Refer to Derating Curve)				
8	Operating temperature	-40 to +85℃ (Refer to Derating Curve)				
9	Operating humidity	20 to 95%RH (Non condensing)				
10	Storage temperature/humidity	-40 to +85℃/20 to 95%RH (Non condensing)				
11	Vibration	10 to 55Hz, 19.6m/s²(2G), 3min. Period, 1hour each X, Y and Z axis				
12	Impact	196.1m/s²(20G), 11ms Once each X, Y and Z axis				
13	Safety agency approvals	UL1283, CSA C22.2 No.8 (C-UL) , DIN EN60939 VDE0565 Teil3-1, ENEC				
14	Case size (without projection) /Weight	63×64×128 mm [2.48×2.52×5.04 inches] (W×H×D) / 620g max (Option : -D refer to external view)				

Circuit Diagram
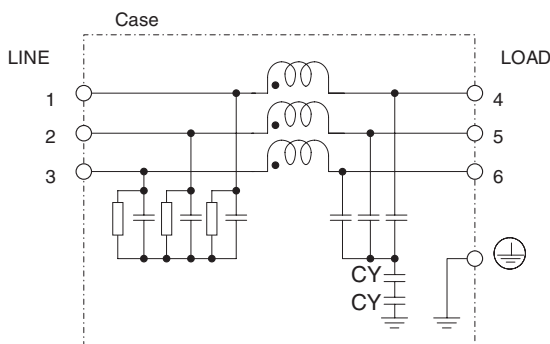
CY : Line to ground capacitor　⏚ : Mounting Plate
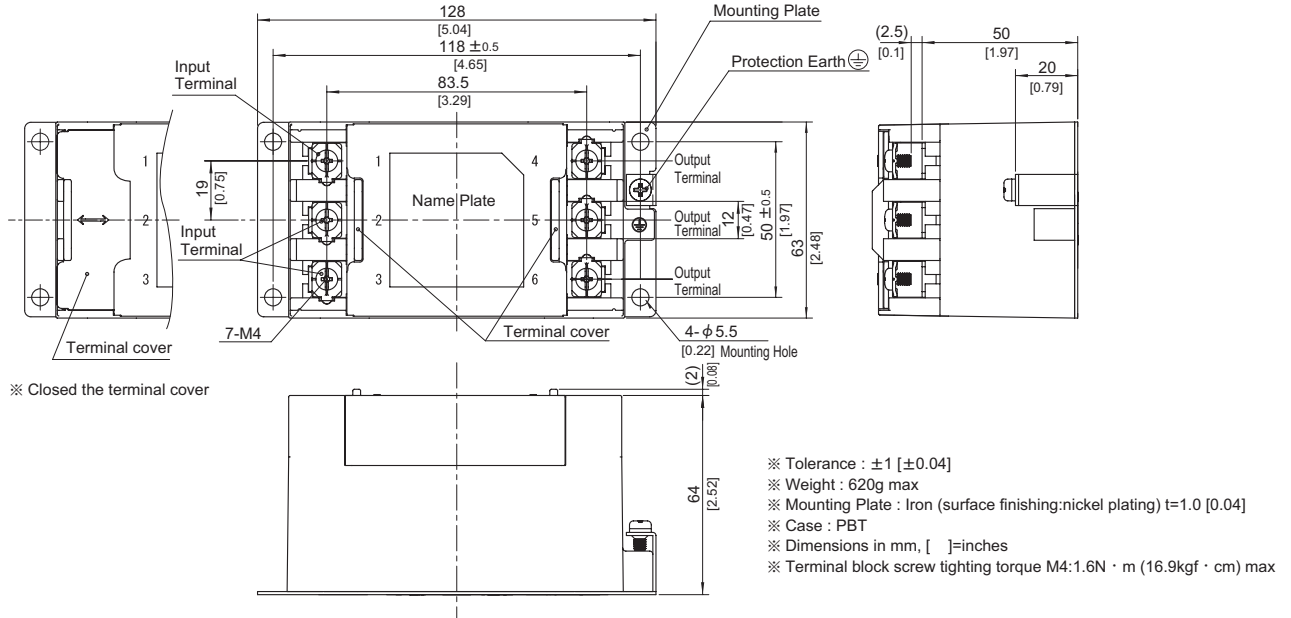
Derating Curve

Ambient Temperature [℃]
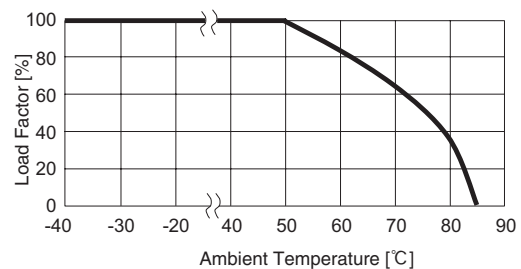
External view
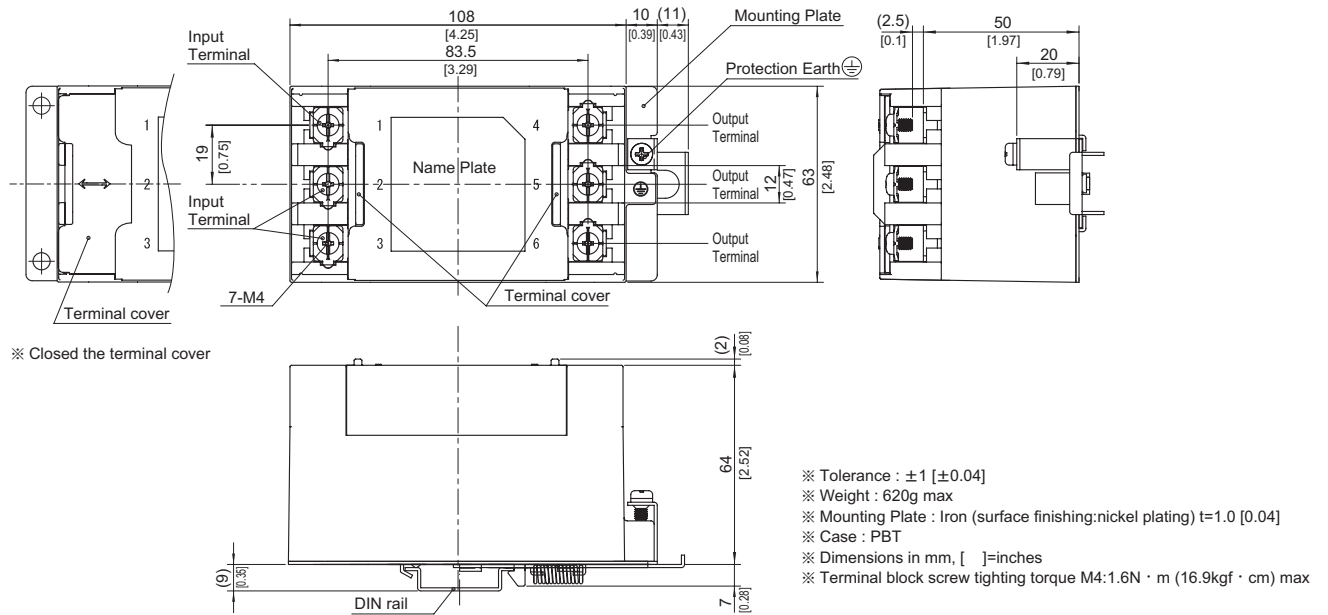
This product is shipped in the following condition, because it is equipped with push-down terminals.
①The terminal cover is retracted inside the unit.
②The screws for connecting the terminals are held in the up right position.

Standard Type

※Closed the terminal cover

※ Tolerance : ±1 [±0.04]
※ Weight : 620g max
※ Mounting Plate : Iron (surface finishing:nickel plating) t=1.0 [0.04]
※ Case : PBT
※ Dimensions in mm, [   ]=inches
※ Terminal block screw tighting torque M4:1.6N・m (16.9kgf・cm) max

DIN rail installation Type

※Closed the terminal cover

※ Tolerance : ±1 [±0.04]
※ Weight : 620g max
※ Mounting Plate : Iron (surface finishing:nickel plating) t=1.0 [0.04]
※ Case : PBT
※ Dimensions in mm, [   ]=inches
※ Terminal block screw tighting torque M4:1.6N・m (16.9kgf・cm) max

■Note when installing the EMI/EMC Filter on a DIN rail.

When the EMI/EMC 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/EMC Filter body to the earth.
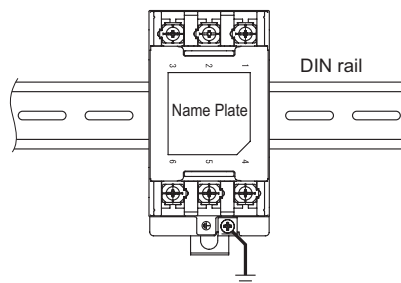
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