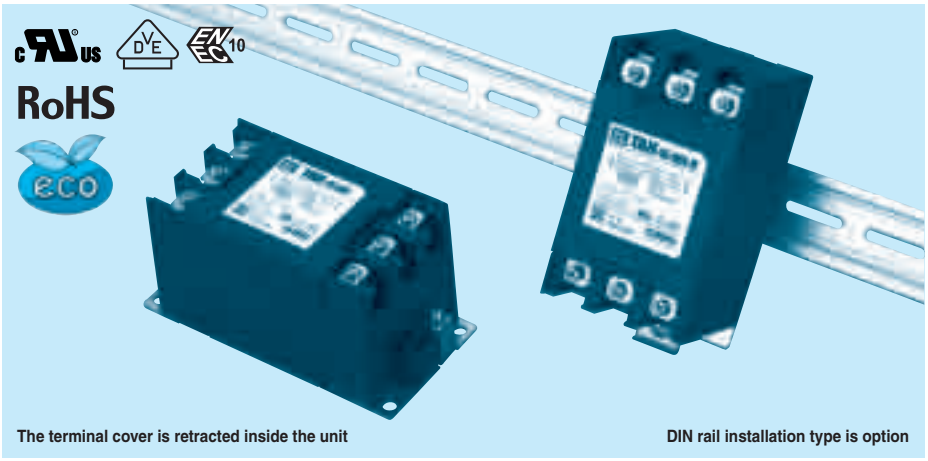
COSEL Three phase input type(1-stage filter)

TAH series(4-30A)

Ordering information

TAH -10 -683 -□

① ② ③ ④



The terminal cover is retracted inside the unit

DIN rail installation type is option

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

table1.1 Line to ground capacitor code

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

④Options
D :DIN rail installation type

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

Features of TAH series

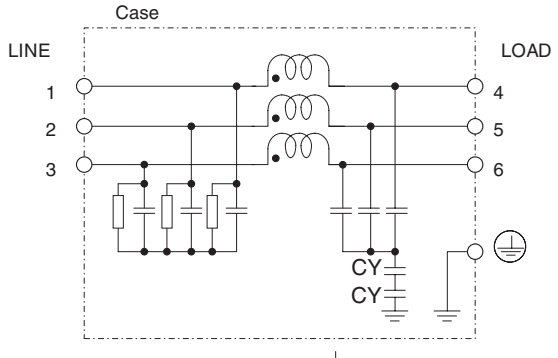
Ultra high-attenuation type of common mode noise from 10kHz to 1MHz

- Three Phase 500 VAC
- Push down type terminal block

Specifications

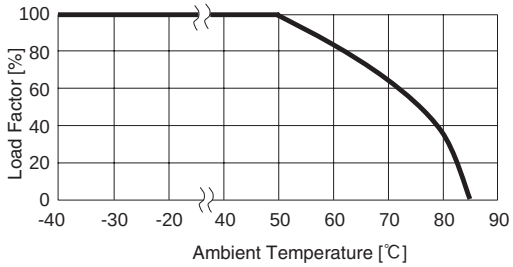
No.	Items	TAH-04-683	TAH-06-683	TAH-10-683	TAH-20-683	TAH-30-683
1	Rated Voltage[V]	AC Three Phase 500				
2	Rated Current[A]	4	6	10	20	30
3	Test Voltage (Terminal-Mounting Plate)	2,000 VAC (Cutoff Current = 100mA), 1minute at room temperature and humidity				
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100MΩ min at room temperature and humidity				
5	Leakage current 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℃ (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

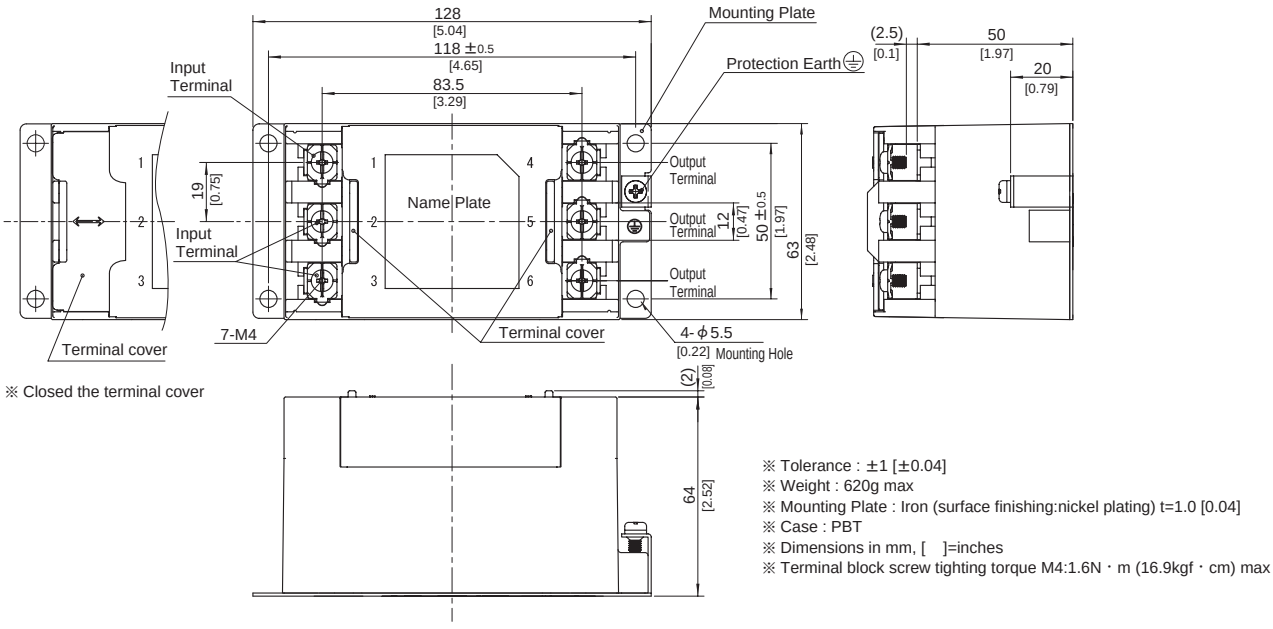
Derating Curve



External view

As this product is adopted push-down type terminal block, this appearance is as follows.
①The terminal cover is retracted inside the unit.
②The screws for connecting the terminals are held in the up right position.

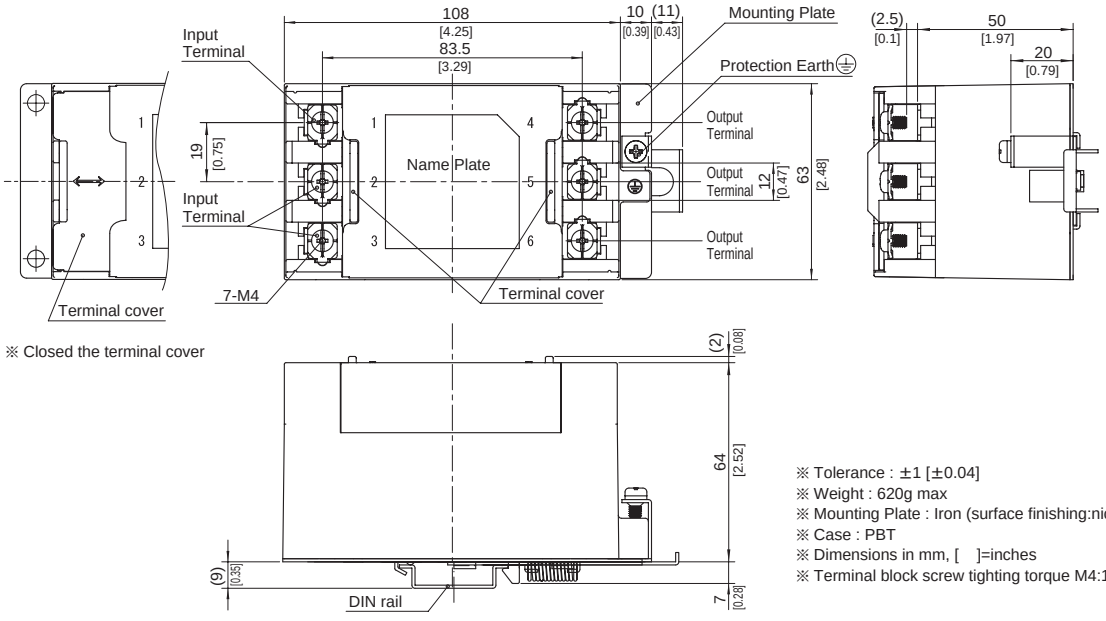
Standard Type



※ 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.