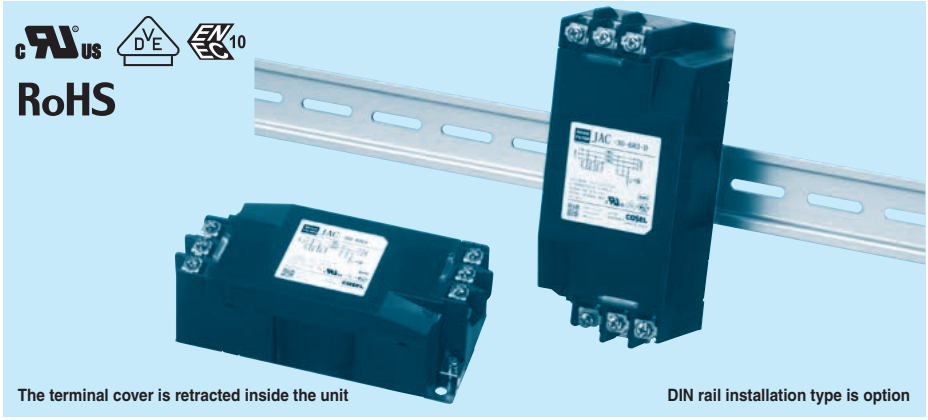
COSEL Three phase input type(1-stage filter)

JAC series(6-30A)

Ordering information

JAC -30 -683 -□

① ② ③ ④



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) (Only "224" is 250/400V 60Hz)	Line to ground capacitor (nominal value)
103	0.5mA / 1.0mA max	10,000pF
223	1.0mA / 2.0mA max	22,000pF
683	2.5mA / 5.0mA max	68,000pF
224	15mA / 24mA max	220,000pF

∗When the line to ground capacitor code is different, the attenuation characteristic is different.

④Option
D:DIN rail installation type
∗ The dimensions change when the option is set. Refer to External view.
H:Ultra high-attenuation type
"103","223","683" is applied.
U:Improve differential mode attenuation (Rated voltage 250V)

Features of JAC series

Compact and low profile, common mode EMI/EMC filters in 150kHz to 1MHz (1-stage filter)

- Three Phase 500 VAC
- Push down type terminal block
- Selectable leakage current value, Ultra high-attenuation type "224" for EU (Y type with neutral earth system)

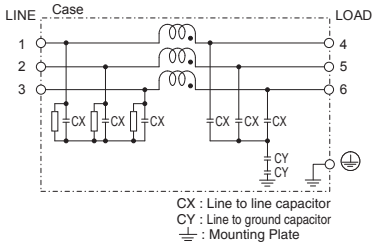
Specifications

No.	Items	JAC-06-683	JAC-10-683	JAC-20-683	JAC-30-683
1	Rated Voltage[V]	AC Three Phase 500 (voltage range:528 max) 50/60Hz ∗1 ∗2			
2	Rated Current[A]	6	10	20	30
3	Test Voltage (Terminal-Mounting Plate)	2,500 VAC (Cutoff Current = 100mA), 1minute at room temperature and humidity ∗3			
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100MΩ min at room temperature and humidity ∗4			
5	Leakage current 250/500V 60Hz	2.5mA/5.0mA max			
6	DC resistance	100mΩ max	45mΩ max	15mΩ max	8mΩ 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)	63×44×132 mm (W×H×D) (Option: -D refer to external view) [2.48×1.73×5.20 inches] (W×H×D)			
15	Weight	440g max			

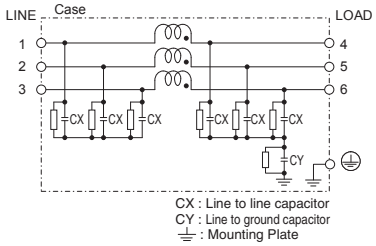
∗1 Capacitor code "224" : Three Phase Δ-connection 400 (440 max), Y-connection 500 (528 max).
∗2 "JAC-□□-□□□-U" : Three Phase 250 (275 max).
∗3 Capacitor code "224" : 2,800VDC (Cutoff Current = 10mA), 1 minute at room temperature and humidity.
∗4 Capacitor code "224" : Isolation resistance specification is deleted.

Circuit Diagram

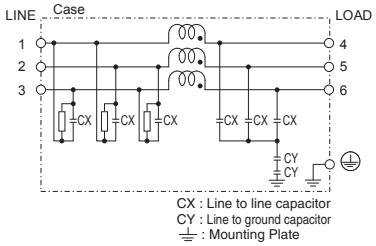
(1) Line to ground capacitor code : 103, 223, 683



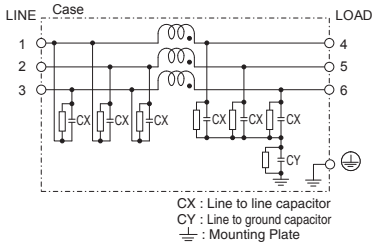
(2) Line to ground capacitor code : 224



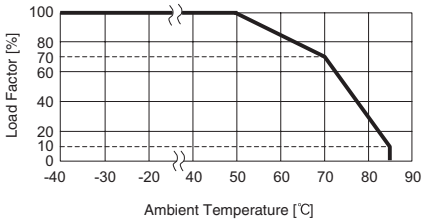
(3) Line to ground capacitor code : 103, 223, 683
Option : U



(4) Line to ground capacitor code : 224
Option : U



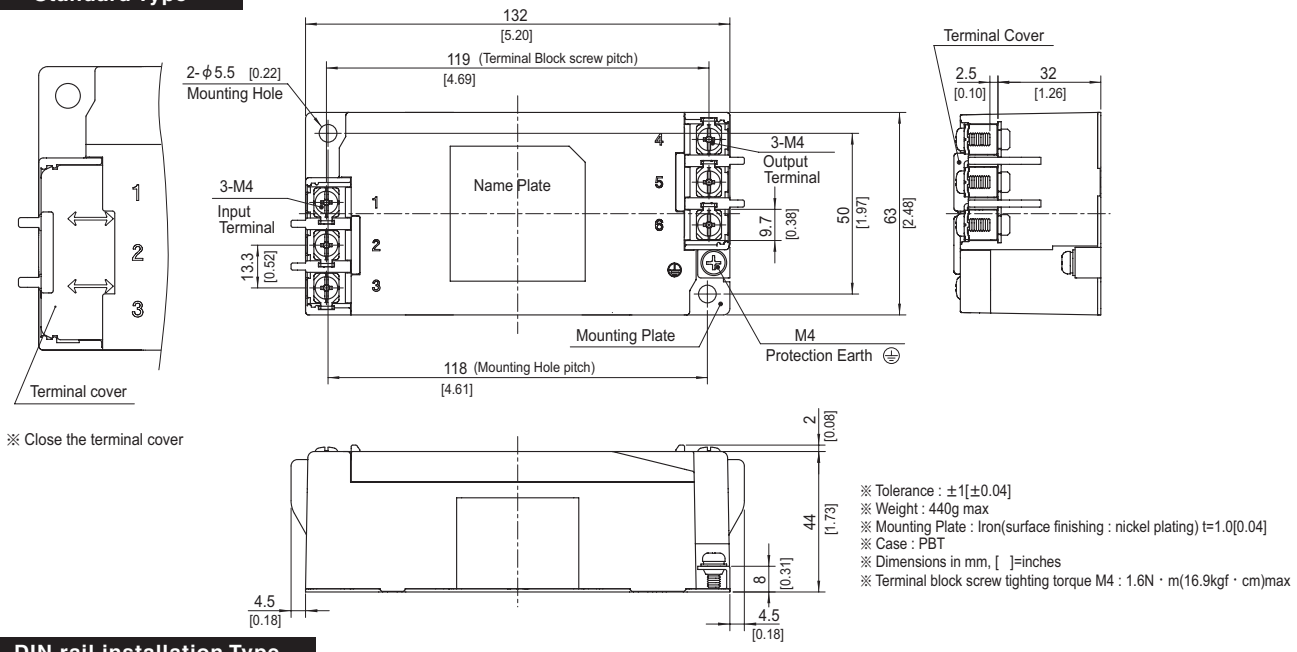
Derating Curve



External view

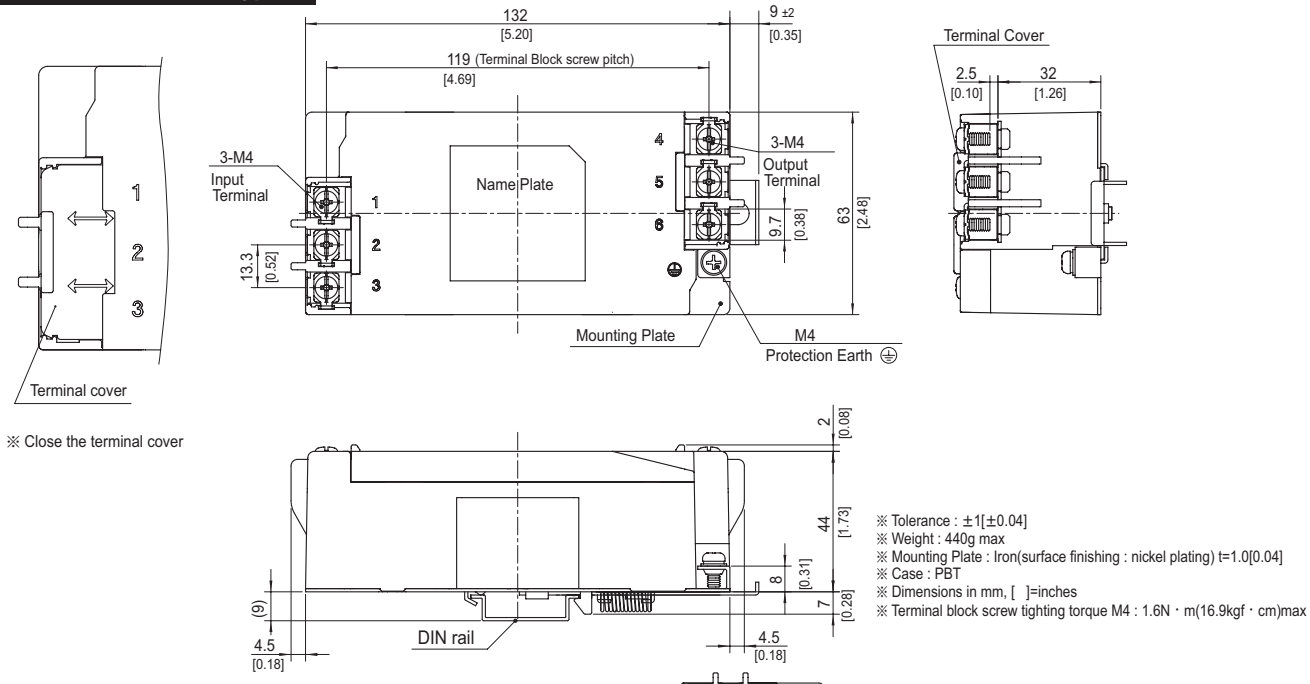
This product is shipped in the following condition, because it is equipped with push-down terminals.
①The terminal cover is retracted inside the unit.
②The screws for connecting the terminals are held in the up right position.

Standard Type



※ Tolerance : ±1[±0.04]
※ Weight : 440g 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



※ Tolerance : ±1[±0.04]
※ Weight : 440g 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.