COSEL Three phase input type(1-stage filter)

FTA series(40,50,60A)

Ordering information

FTA -50 -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) (335only 250/400V 60Hz)	Line to ground capacitor (nominal value)
223	1.0mA/2.0mA max	22,000pF
683	2.5mA/5.0mA max	68,000pF
104	3.5mA/7.0mA max	100,000pF
335	160mA/250mA max	3.3μF

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

④Option
H:Ultra high attenuation type
"335" is not applied.
U:Improve differential mode attenuation
(Rated voltage 250V)
G:With switch of line to ground capacitor
Only "335" is applied.

*Leakage current 160mA/250mA max when the switch state is ON (switched to "ı"). 10μA/16μA max when the switch state is OFF (switched to "o").

Features of FTA series

Book type (Space-saving type)

- 1-stage filter General-purpose High-attenuation (150kHz - 1MHz)
- Selectable leakage current value, Ultra high attenuation type "335" for EU(Wye type with neutral earth system), With switch of line to ground capacitor "-G"

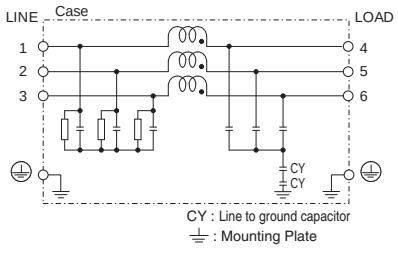
Specifications

No.	Items	FTA-40-683	FTA-50-683	FTA-60-683
1	Rated Voltage[V]	AC Three Phase 500 (voltage range:528 max) *1 *2		
2	Rated Current[A]	40	50	60
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 registance	8.5mΩ max	6mΩ max	4.5mΩ 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)	65×84×153 mm (W×H×D) (Option: -G refer to external view)		
		[2.56×3.31×6.02 inches] (W×H×D)		
15	Weight	1.2kg max		

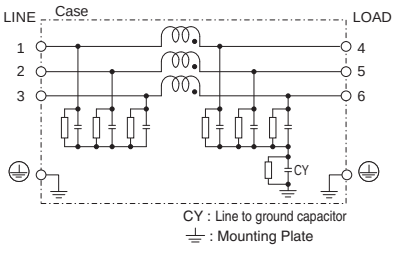
*1 Only capacitor code "335", Three Phase Δ-connection : 400 (440 max), Wye-connection : 500 (528 max)
*2 Only "FTA-□□-□□□-U", Three Phase 250 (275 max)
*3 Only capacitor code "335", 2,800VDC (Cutoff Current = 10mA), 1minute at room temperature and humidity.
*4 Only capacitor code "335", insulation resistance specification is deleted.

Circuit Diagram

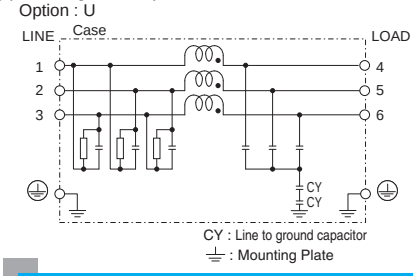
(1) Line to ground capacitor code : 223, 683, 104



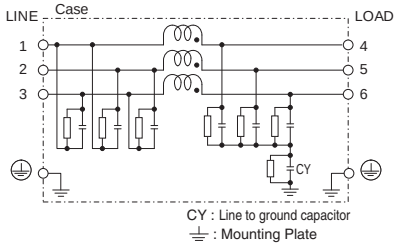
(2) Line to ground capacitor code : 335



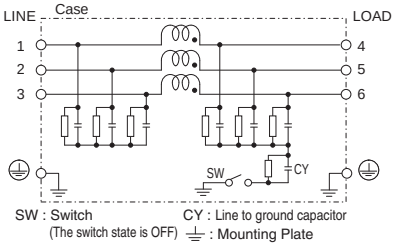
(3) Line to ground capacitor code : 223, 683, 104
Option : U



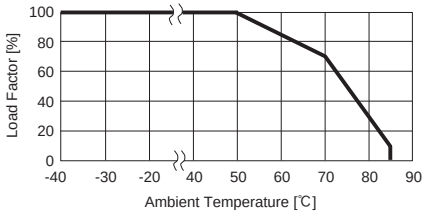
(4) FTA-□□-335-U



(5) FTA-□□-335-G



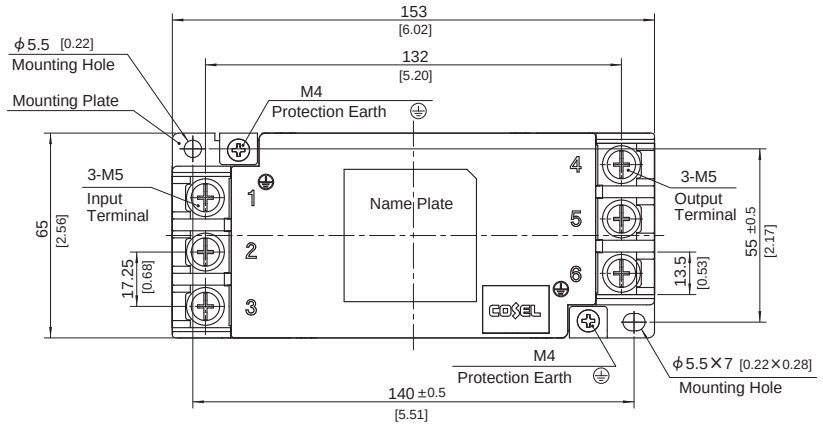
Derating Curve

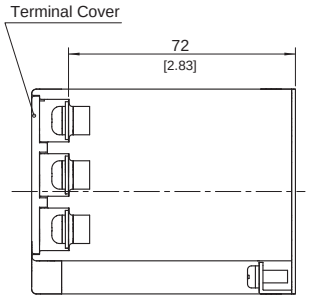


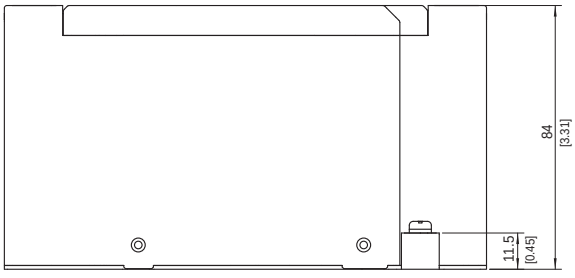
EMI/EMC Filter

External view

Standard Type

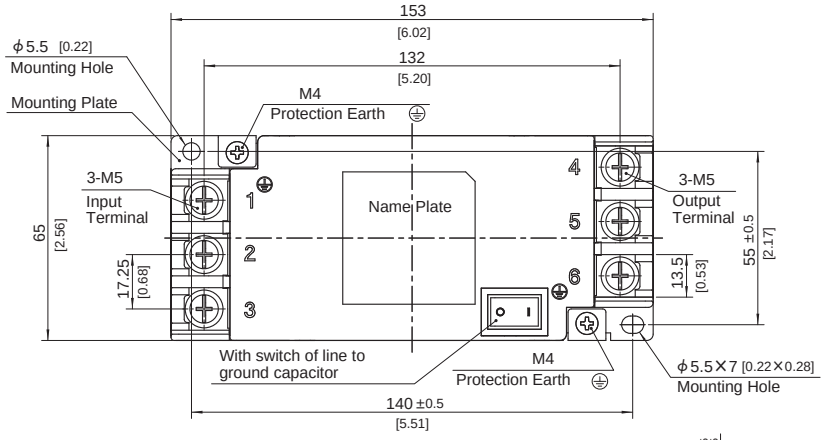


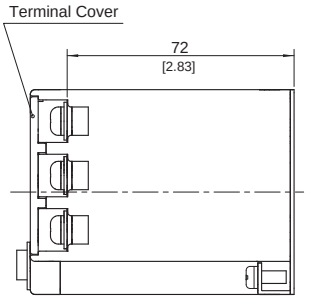


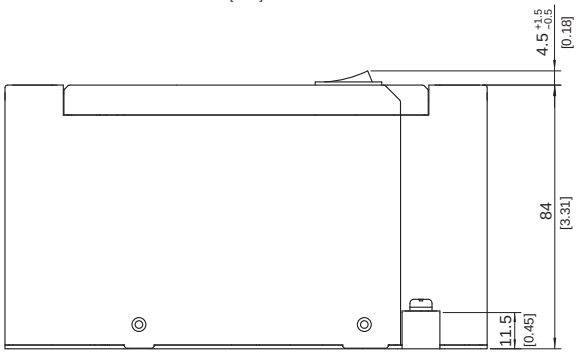


※ Tolerance : ±1 [±0.04]
※ Weight : 1.2kg max
※ Mounting Plate : Iron (surface finishing : nickel plating) t=1.2 [0.05]
※ Case : PBT
※ Dimensions in mm, [ ]=inches
※ Terminal block screw tightening torque M5 : 3.0N・m (30.7kgf・cm)max
※ Protection Earth (PE) screw tightening torque M4 :1.6N・m (16.9kgf・cm)max
※ Can not be mounted upside-down (mounted the top surface)

With switch of line to ground capacitor ON/OFF







※ Tolerance : ±1 [±0.04]
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※ Case : PBT
※ Dimensions in mm, [ ]=inches
※ Terminal block screw tightening torque M5 : 3.0N・m (30.7kgf・cm)max
※ Protection Earth (PE) screw tightening torque M4 :1.6N・m (16.9kgf・cm)max
※ Can not be mounted upside-down (mounted the top surface)
※ The switch state is OFF at shipping
※ Switch status ON : "|", OFF : "O"
※ ⚠ HIGH LEAKAGE CURRENT
first connect to earth

EMI/EMC Filter

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cosel:

FTA-40-683 FTA-60-683 FTA-50-683

LifeElectronics
Живое партнерство

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- *Подбор аналогов.*
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