

FTA series(80,100,150A)

FTA -80 -683 -□

① ② ③ ④

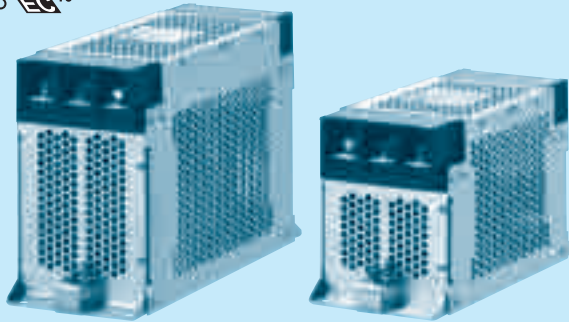
- ① Model Name
- ② Rated Current
- ③ Line to ground capacitor code: See table 1.1.

table 1.1 Line to ground capacitor code

Code	Leakage Current (Input 250/500V 60Hz) (155 only 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
155	160mA/250mA max	1.5μF

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

- ④ Option
- H: Ultra high-attenuation type "155" is not applied.
- S: Hexagon socket head cap screw (Standard type is Hexagon head screw)



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 "155" for EU (Wye type with neutral earth system)

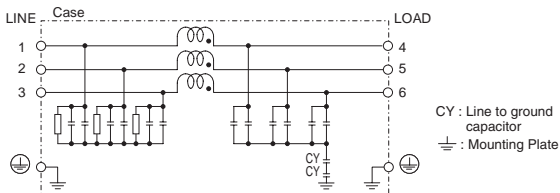
Specifications

No.	Items	FTA-80-683	FTA-100-683	FTA-150-683
1	Rated Voltage[V]	AC Three Phase 500 (voltage range: 528 max) *1		
2	Rated Current[A]	80	100	150
3	Test Voltage (Terminal-Mounting Plate)	2,500 VAC (Cutoff Current = 100mA), 1minute at room temperature and humidity *2		
4	Isolation Resistance (Terminal-Mounting Plate)	500 VDC 100MΩ min at room temperature and humidity *3		
5	Leakage current 250/500V 60Hz	2.5mA/5.0mA max		
6	DC resistance	5mΩ max	4mΩ max	3mΩ 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, 1hour each X, Y and Z axis		
12	Impact	196.1m/s ² (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)	100 X 130 X 210 mm (W X H X D)		100 X 170 X 260 mm (W X H X D)
		[3.94 X 5.12 X 8.27 inches]		[3.94 X 6.69 X 10.24 inches]
15	Weight	3.1kg max		4.2kg max

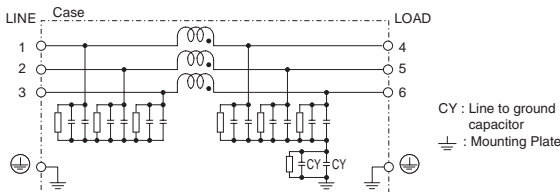
*1 Only capacitor code "155", Three Phase Δ-connection: 400 (440 max), Y-connection: 500 (528 max)
 *2 Only capacitor code "155", 2,800VDC (Cutoff Current = 10mA), 1minute at room temperature and humidity.
 *3 Only capacitor code "155", insulation resistance specification is deleted.

Circuit Diagram

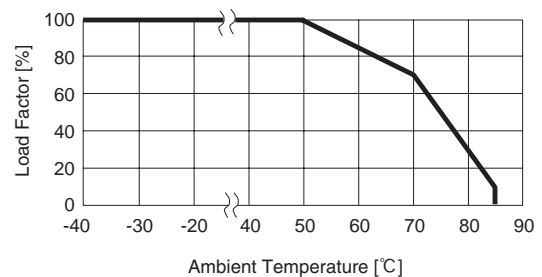
(1) Line to ground capacitor code : 223, 683, 104



(2) Line to ground capacitor code : 155



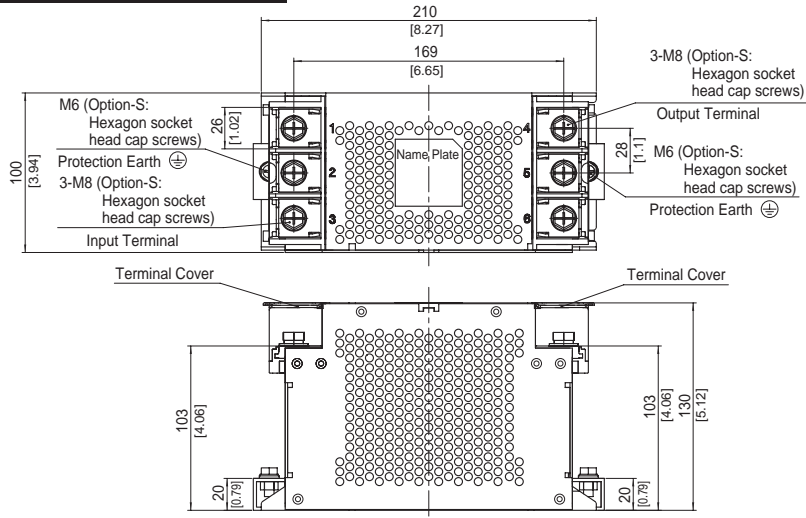
Derating Curve



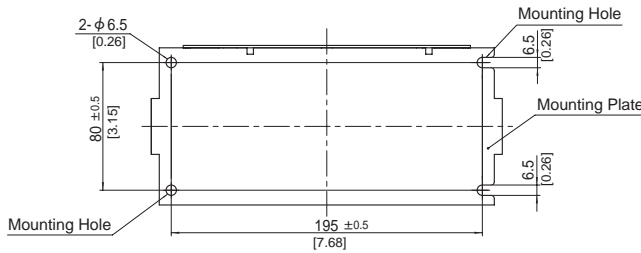
*Keep free ventilation holes for cooling.

External view

FTA-80-□□□ / FTA-100-□□□

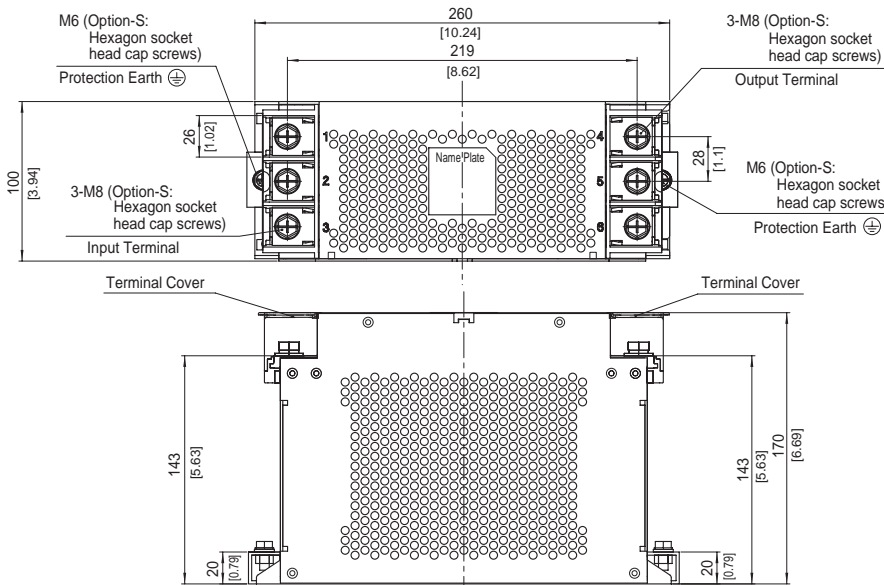


※ The air hole for heat radiation is not on the opposite side side.

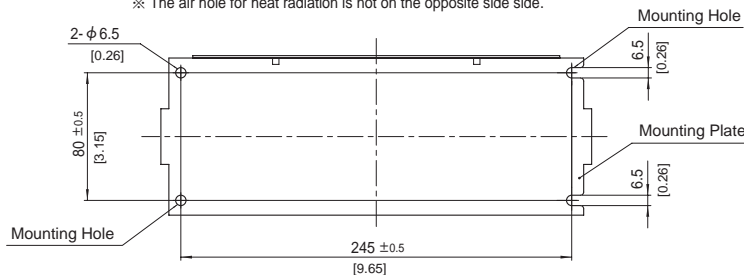


- ※ Tolerance : ±1 [±0.04]
- ※ Weight : 3.1kg max
- ※ Mounting Plate : Aluminum t =2.0 [0.08]
- ※ Dimensions in mm, []=inches
- ※ Terminal block screw tightening torque
M8 : 9.2N · m(93.9kgf · cm)max
- ※ Protection Earth (PE) screw tightening torque
M6 : 5.8N · m(59.2kgf · cm)max
- ※ Can not be mounted upside-down
(mounted the top surface)
- ※ Keep free ventilation holes for cooling

FTA-150-□□□



※ The air hole for heat radiation is not on the opposite side side.



- ※ Tolerance : ±1 [±0.04]
- ※ Weight : 4.2kg max
- ※ Mounting Plate : Aluminum t =2.0 [0.08]
- ※ Dimensions in mm, []=inches
- ※ Terminal block screw tightening torque
M8 : 9.2N · m(93.9kgf · cm)max
- ※ Protection Earth (PE) screw tightening torque
M6 : 5.8N · m(59.2kgf · cm)max
- ※ Can not be mounted upside-down
(mounted the top surface)
- ※ Keep free ventilation holes for cooling