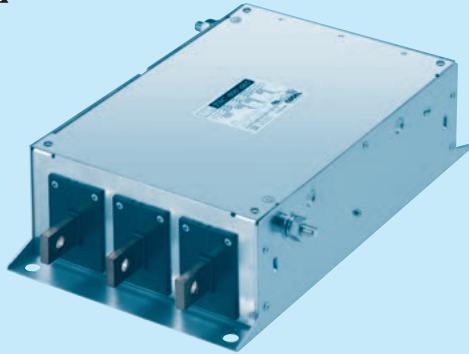


TSC series(400,600A)

TSC -600 -665



- 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 *1 Upper row : Δ-connection Lower row : Y-connection	Line to ground capacitor (nominal value)		
		CY1	CY2	CY3
000	50μA/80μA max 50μA/100μA max	Not Provided	Not Provided	Not Provided
665	220mA/350mA max 20mA/40mA max	2.2μF	2.2μF	2.2μF

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

* Please contact us about low leakage current type (Change to low grounding capacitor) and further high-attenuation type (Change to high permeability choke coil).

* 1 Δ-connection : Input 250/400V 60Hz
Y-connection : Input 250/500V 60Hz

Features of TSC series

Ultra high-attenuation for star connection with neutral earthing

- Input and output terminals : Busbar type
- Ideal for Solar Photovoltaic system , Large Manufacturing facility

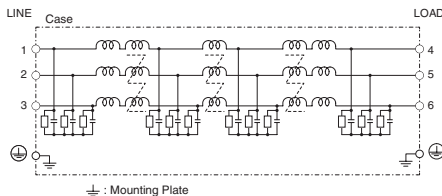
Specifications

No.	Items	TSC-400-665	TSC-600-665
1	Rated Voltage[V]	AC Three Phase Y-connection 500 (voltage range:528 max) 50/60Hz *2	
2	Rated Current[A]	400	600
3	Test Voltage (Terminal-Mounting Plate)	3,600 VDC (Cutoff Current = 10mA), 1minute at room temperature and humidity	
4	Leakage current 250/500V 60Hz	20mA/40mA max (Y-connection)	
5	DC resistance	0.27mΩ max	0.2mΩ max
6	Safety agency approval temperatures	-25 to +85°C (Refer to Derating Curve)	
7	Operating temperature	-40 to +85°C (Refer to Derating Curve)	
8	Operating humidity	20 to 95%RH (Non condensing)	
9	Storage temperature/humidity	-40 to +85°C/20 to 95%RH (Non condensing)	
10	Vibration	10 to 55Hz, 9.8m/s ² (1G), 3min. Period, 1hour each X, Y and Z axis	
11	Impact	98.1m/s ² (10G), 11ms Once each X, Y and Z axis	
12	Safety agency approvals	UL1283, CSA C22.2 No.8 (C-UL) , DIN EN60939 VDE0565 Teil3-1, ENEC	
13	Case size (without projection)	210 × 100 × 360 mm [8.27 × 3.94 × 14.17 inches] (W × H × D)	
14	Weight	9.5kg max	10.0kg max

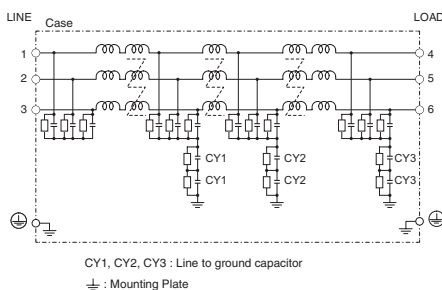
*2 Three Phase Δ-connection:400 (440 max)

Circuit Diagram

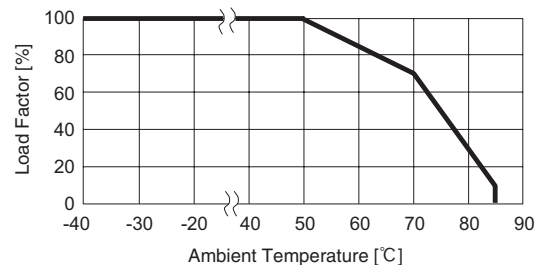
(1) Line to ground capacitor code : 000



(2) Line to ground capacitor code : 665

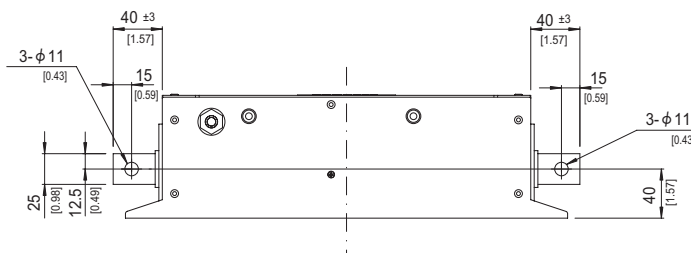
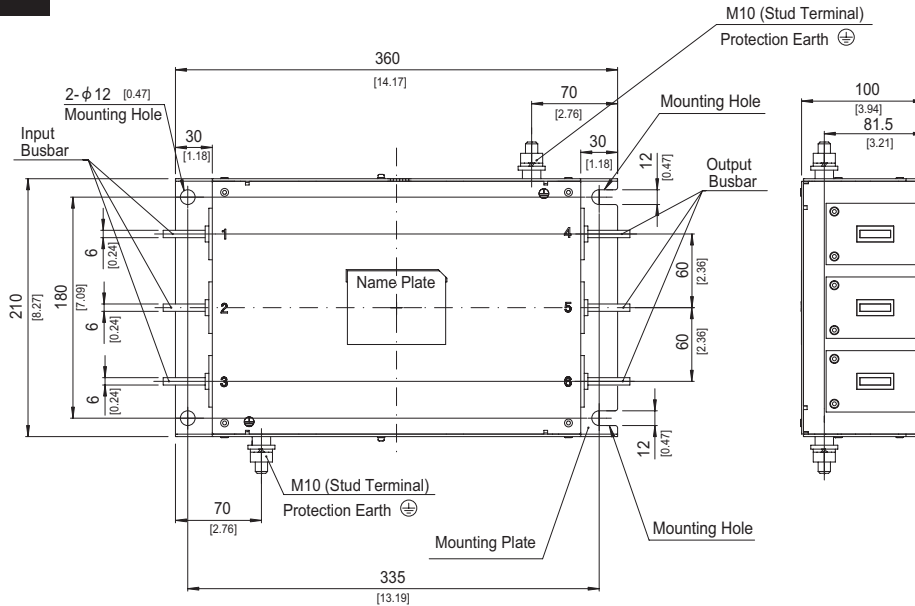


Derating Curve



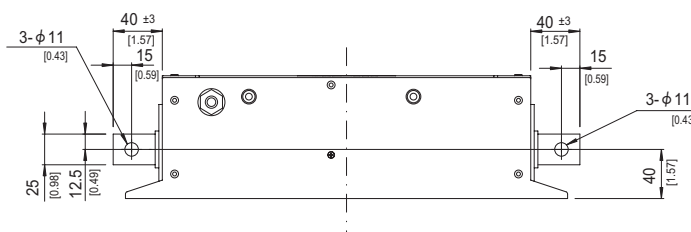
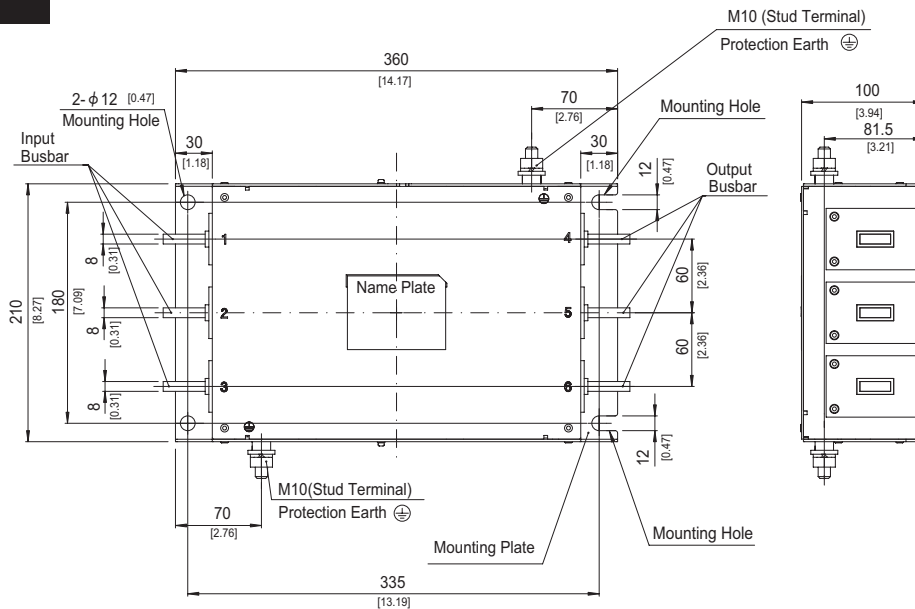
External view

TSC-400



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 9.5kg max
- ※ Mounting Plate : Alumin $t=2.0$ [0.08]
- ※ Busbar : Copper (Unplated) $t=6.0$ [0.24]
- ※ Dimensions in mm, []=inches
- ※ Protection Earth (PE) screw tightening torque
M10 : 14.2N · m (144.9kgf · cm)max
- ※ Can not be mounted upside-down
(mounted the top surface)

TSC-600



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 10.0kg max
- ※ Mounting Plate : Alumin $t=2.0$ [0.08]
- ※ Busbar : Copper (Unplated) $t=8.0$ [0.31]
- ※ Dimensions in mm, []=inches
- ※ Protection Earth (PE) screw tightening torque
M10 : 14.2N · m (144.9kgf · cm)max
- ※ Can not be mounted upside-down
(mounted the top surface)