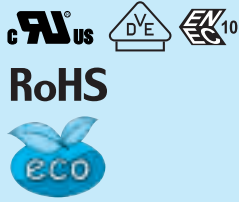


TSC series(400,600A)

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 (Input Y-connection 250V / 500V 60Hz)	Line to ground capacitor (nominal value)		
		CY1	CY2	CY3
665	20mA/40mA max	2.2μF	2.2μF	2.2μF

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

Features of TSC series

Ultra high attenuation for star connection with neutral earthing

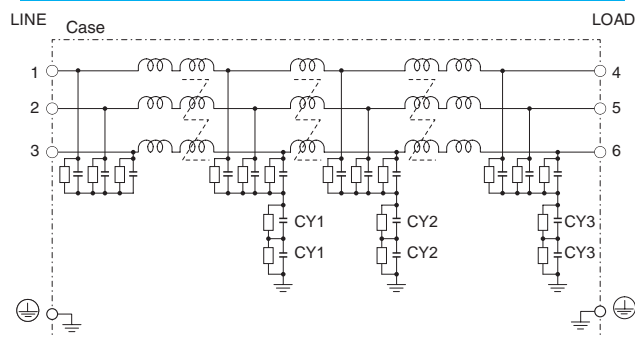
- Input and output terminals : Busbar type
- Ideal for Solar Photovoltaic system , Large Manufacturing facility

Specifications

No.	Items	TSC-400-665	TSC-600-665
1	Rated Voltage[V]	AC Three Phase Y-connection 500 (voltage range:528 max) *1	
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 X 100 X 360 mm [8.27 X 3.94 X 14.17 inches] (W X H X D)	
14	Weight	9.5kg max	10.0kg max

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

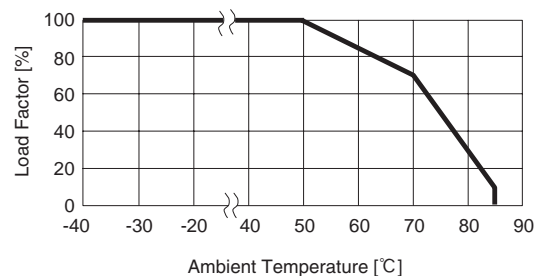
Circuit Diagram



CY1, CY2, CY3 : Line to ground capacitor

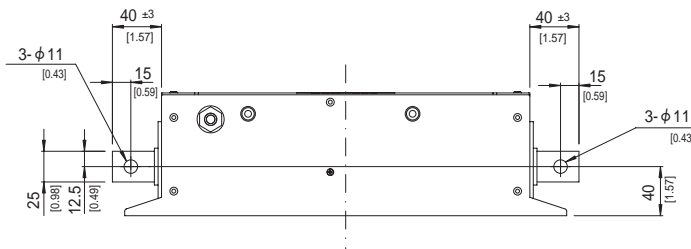
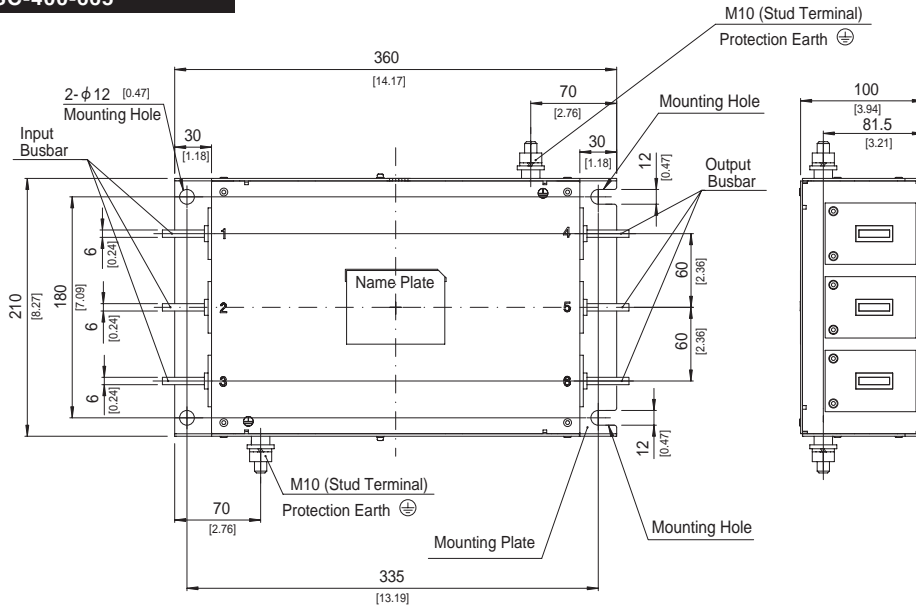
⊥ : Mounting Plate

Derating Curve



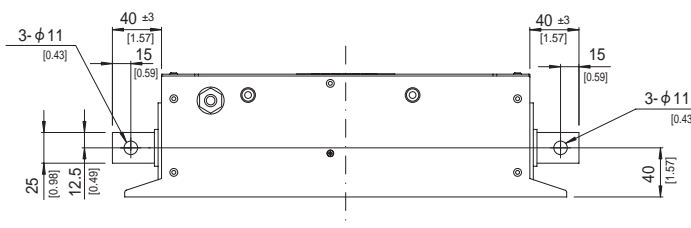
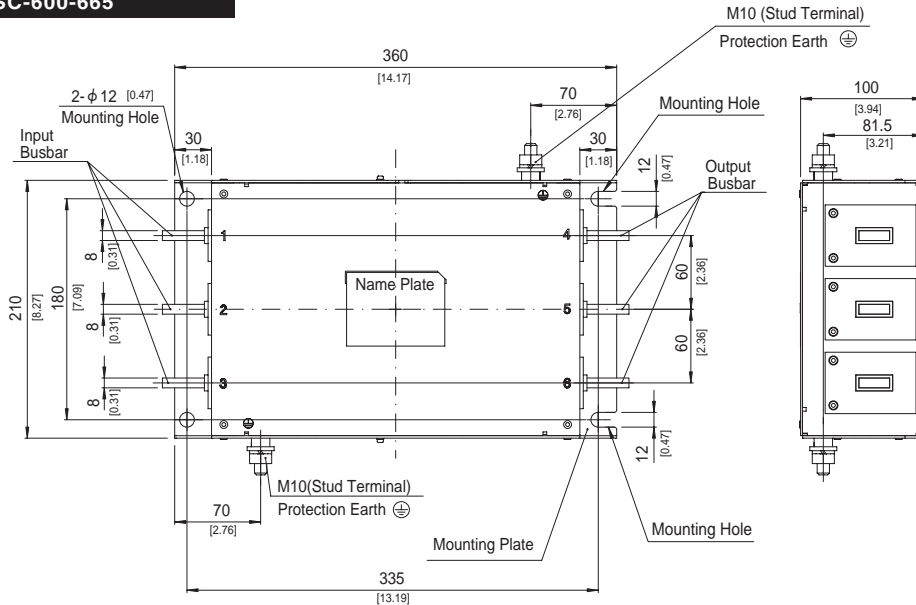
External view

TSC-400-665



- ※ 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-600-665



- ※ 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)