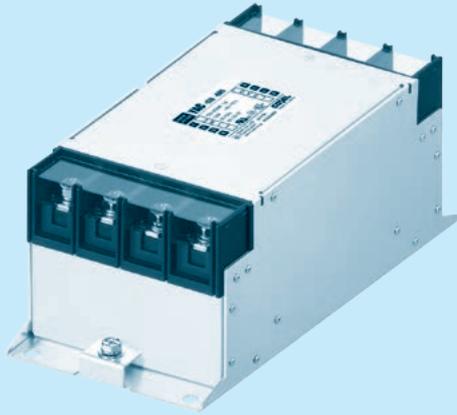


YAC series(120,160,200,300A)

YAC -120 -685



- ① Series 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 Y-Connection | Line to Ground Capacitor (nominal Value) | |
|--------|---------------------------------|--|--------------|
| | | CY1 | CY2 |
| 685 | 10.7mA typ *2 55mA max *3 | 6.8μF | Not provided |
| 226 *1 | 41.5mA typ *2 220mA max *3 | 1.5μF | 6.8μF×3 |

- *1 "226" is applied only to "300A" type.
- *2 At normal operation (Input 500V 50Hz) with applying 10V in between N (N') and FG (According to IEC60939).
- *3 At the worst case under normal operation (Input 500V 60Hz).

Features of YAC series

- Three-Phase Four-Wire System EMI/EMC Filter ideal for High-power office equipment and Energy storage systems
- Suitable for 150kHz-1MHz conduction noise reduction
- Product lineup that can flexibly respond to system and capacity changes in a compact/same body size

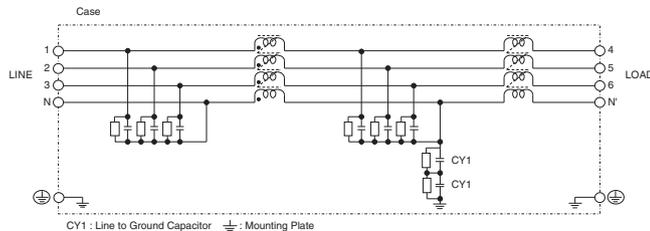
Specifications

| No. | Items | YAC-120-685 | YAC-160-685 | YAC-200-685 | YAC-300-685 |
|-----|--|--|-------------|-------------|-------------|
| 1 | Rated Voltage[VAC] | Three-Phase Four-Wire System Y-Connection 500/289 (Voltage Range:528/305 max) 50/60Hz *4 | | | |
| 2 | Rated Current[A] | 120 | 160 | 200 | 300 |
| 3 | Test Voltage (Terminal-Mounting Plate) | 2,800 VDC (Cutoff Current = 10mA), 1minute at room temperature and humidity | | | |
| 4 | Isolation Resistance (Terminal-Mounting Plate) | 500 VDC 5MΩ min. at room temperature and humidity *5 | | | |
| 5 | Leakage Current | Refer to table 1.1 | | | |
| 6 | DC Resistance | 4.5mΩ max | 3.0mΩ max | 2.5mΩ max | 1.5mΩ max |
| 7 | Operating Temperature/Humidity | -40 to +85°C (Refer to Derating Curve)/20 to 95%RH (Non condensing) | | | |
| 8 | Storage Temperature/Humidity | -40 to +85°C/20 to 95%RH (Non condensing) | | | |
| 9 | Vibration | 10 to 55Hz, 19.6m/s ² (2G), 3min. Period, 1hour each X, Y and Z axis | | | |
| 10 | Impact | 196.1m/s ² (20G), 11ms Once each X, Y and Z axis | | | |
| 11 | Safety Agency Approvals | UL60939 [Overvoltage Category : III Altitude : 3000m] , CSA C22. 2 No. 8 (C-UL) EN60939 (DEMKO) [Overvoltage Category : III Altitude : 3000m] , ENEC | | | |
| 12 | Case Size (Without Projection) | 157×140×340mm (W×H×D) [6.18×5.51×13.39 inches] (W×H×D) | | | |
| 13 | Weight | 9.0kg max | | | 5.5kg max |

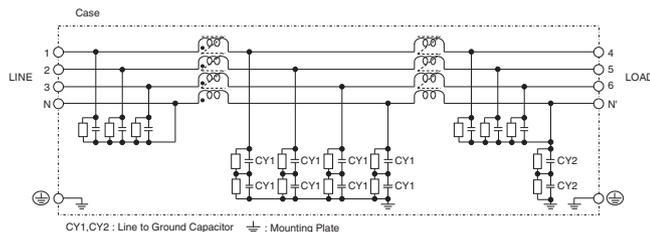
*4 Voltage indicates "Line Voltage/Phase Voltage".
*5 Only "YAC-300-226", Isolation Resistance specification is deleted.

Circuit Diagram

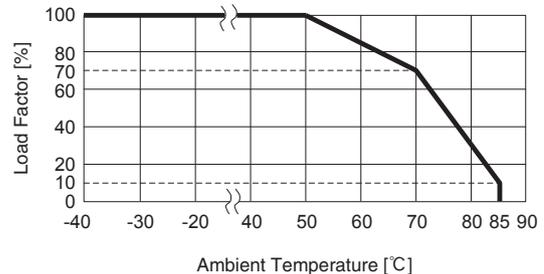
(1) Line to Ground Capacitor Code : 685



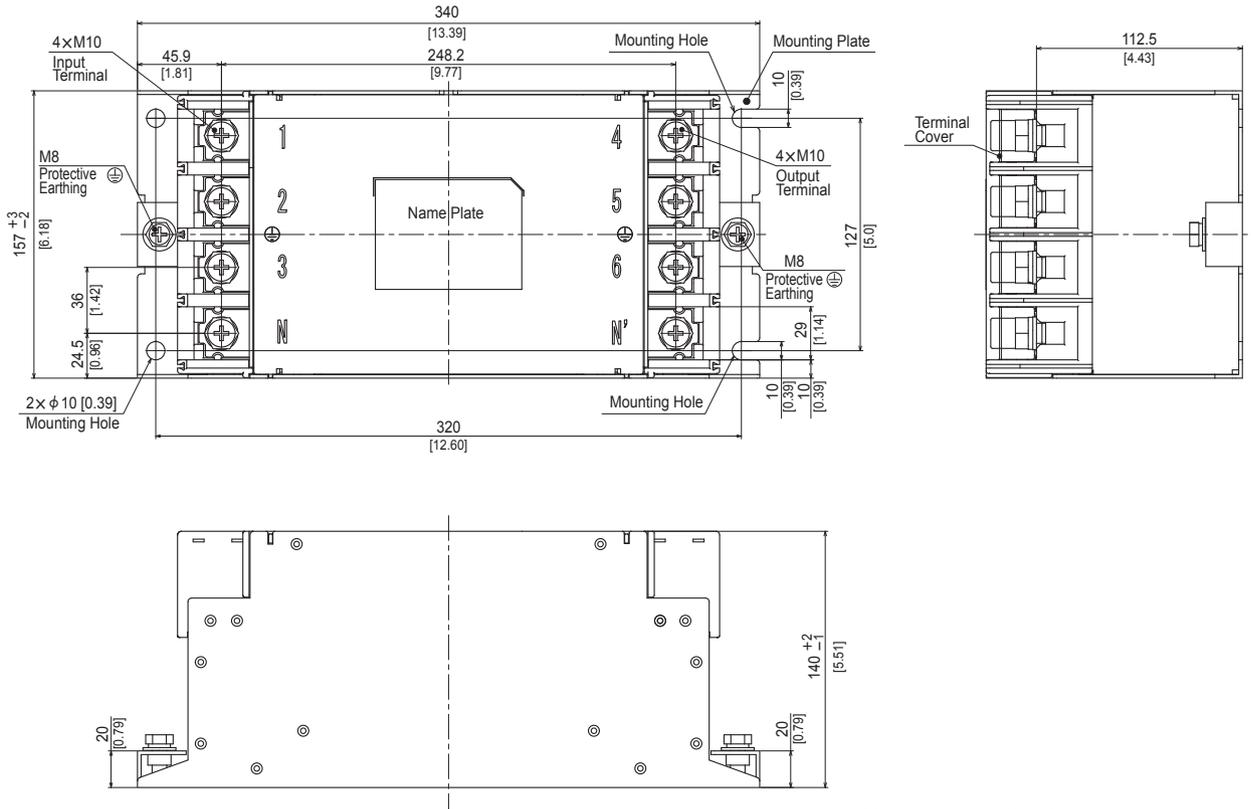
(2) Line to Ground Capacitor Code : 226



Derating Curve



External view



- ※ Dimensions in mm, [] = inches
- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 9.0kg max (120A,160A,200A)
5.5kg max (300A)
- ※ Mounting Plate Material : Aluminum t =2.0 [0.08]
- ※ Terminal block screw tightening torque M10 : 14.2N · m max
- ※ Protective Earthing (PE) screw tightening torque M8 : 9.2N · m max
- ※ Can not be mounted upside-down. (mounted the top surface)