

# ACE series

AC   -           -        

①    ②    ③    ④    ⑤    ⑥    ⑦    ⑧    ⑨    ⑩

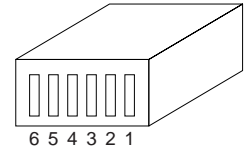


Recommended Noise Filter  
 ACE300F NAC-06-472  
 ACE450F NAC-10-472  
 ACE650F NAC-20-472  
 ACE900F NAC-20-472



High voltage pulse noise type : NAP series  
 Low leakage current type : NAM series  
 \*The Noise Filter is recommended to connect with several devices.

- ① Abbreviation type name of ACE series
- ② Abbreviation power of ACE series
- 3 : ACE300F
- 4 : ACE450F
- 6 : ACE650F
- 9 : ACE900F
- ③ Slot 6 Output module
- ④ Slot 5 Output module
- ⑤ Slot 4 Output module
- ⑥ Slot 3 Output module
- ⑦ Slot 2 Output module
- ⑧ Slot 1 Output module
- ⑨ Parallel code
- ⑩ Option (series code)  
 Refer to instruction manual 5.1  
 Safety : UL2601-1, EN60601-1  
 Refer to instruction manual 7. for details.



Slot  
 \*The number of slot is different depending on the model.  
 \*Empty slot is code:0

## SPECIFICATIONS

	MODEL	ACE300F	ACE450F	ACE650F	ACE900F
	VOLTAGE[V]	AC85 - 264 1 φ / DC120 - 350 (option=-U AC70 or DC100 - refer to instruction manual 5)			
	FREQUENCY[Hz]	47 - 63			
INPUT	CURRENT[A]	AC100V *1	3.7typ	5.7typ	8.0typ
		AC200V *1	2.0typ	3.1typ	4.2typ
	POWER FACTOR	AC100V *1	0.99typ		
		AC200V *1	0.95typ		
	INRUSH CURRENT [A]	AC100V *2	15 / 30typ *7		
		AC200V *2	30 / 30typ *7		
	EFFICIENCY[%]	AC100V *1	74typ	75typ	77typ
AC200V *1		78typ	78typ	80typ	
LEAKAGE CURRENT[ma]	AC100V *3	0.5max			
	AC230V *3	0.95max			
OUTPUT	NUMBER OF SLOT	4	5	5	6
	TOTAL OUTPUT[W]	AC90 - 150V *4	250	400	600
		AC170 - 264V *4	300	450	650
	START-UP TIME[ms]	500max (ACIN100V, Io=100%)			
HOLD-UP TIME[ms] *1	20typ (ACIN100V, Io=100%)				
FUNCTION	AUXILIARY POWER (AUX)	12V 0.1A (Only for Remote ON/OFF) (option=-J 5V0.1A)			
	ALARM (PR)	FAN alarm, LINE alarm			
ISOLATION	INPUT-OUTPUT, RC, AUX	AC3,000V 1minute, Cutoff current=10mA, DC500V 50MΩ min (At Room Temperature)			
	INPUT-FG	AC2,000V 1minute, Cutoff current=10mA, DC500V 50MΩ min (At Room Temperature)			
	OUTPUT, RC, AUX(PR)-FG *5	AC500V 1minute, Cutoff current=100mA, DC500V 50MΩ min (At Room Temperature)			
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE *4	-20 to +70℃, 20 - 90%RH (Non condensing) 3,000m (10,000feet) max			
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75℃, 20 - 90%RH (Non condensing) 3,000m (10,000feet) max			
	VIBRATION	19.6m/s <sup>2</sup> (2G) , 10 - 55Hz, 3minutes period, 60minutes each along X, Y and Z axis			
	IMPACT	196.1m/s <sup>2</sup> (20G) , 11ms, once each X, Y and Z axis			
SAFTY AND NOISE REGULATIONS	AGENCY APPROVALS	UL60950-1, C-UL (CSA60950-1), EN60950-1, EN50178, Complies with DEN-AN (At only AC input) UL2601-1, EN60601-1 (At only AC input) (Refer to instruction manual 7)			
	CONDUCTED NOISE	Complies with FCC-B, VCCI-B, CISPR22-B and EN55022-B			
	HARMONIC ATTENUATOR	Complies with IEC61000-3-2			
OTHERS	CASE SIZE *6	103X63.5X254mm (W X H X D)	127X63.5X254mm (W X H X D)	127X63.5X279mm (W X H X D)	177.5X63.5X254mm (W X H X D)
	WEIGHT[kg]	1.7max	2.2max	2.4max	3.0max
	COOLING METHOD	Forced cooling (built-in)			

\*1 In case of modular power supply, the value changes by composing and load factor of installed output modules.  
 The values in specifications mean each the model are composed of voluntary modules that are 5V (code : C), 12V (code : E), 24V (code : H) and the output power is total output wattage under the prescribed conditions. \*2 More than 3sec. to restart. Io=100% \*3 Complies with IEC60950 and DEN-AN 60Hz and 100% load.  
 \*4 Refer to instruction manual 4.2 Derating in detail. \*5 Each output module, RC and AUX are isolated. \*6 Case size contains neither the terminal blocks, screw nor.  
 \*7 Primary inrush current / Secondary inrush current. \* A sound may occur from power supply at pulse loading.