

Temperature increase of main components: 主要部品温度上昇

Model: FCA200F-24-N1

1. Conditions

- (1) Input : AC 187 ~ 528 [V]
 (2) Output : Rated output
 (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)					Rated temp. [°C]	Reference
			[deg]						
			24V						
1	Line filter	L101	46					120	
2	Rectifier(Input)	SS101	51					150	Junction Temp.
3	Choke coil(PFC)	L103	55					120	
4	Transistor(PFC)	TR103	60					150	Junction Temp.
5	Rectifier Diode(PFC)	D106	63					150	Junction Temp.
6	Input capacitor	C116	21					105	
7	Capacitor(PFC Control circuit)	C121	25					105	
8	Power control IC(PFC)	IC101	71					150	Junction Temp.
9	Switching transistor	TR204	78					150	Junction Temp.
10	Transformer	T201	64					110	
11	Rectified diode(Output)	SS504	59					150	Junction Temp.
12	Output choke	L509	48					130	
13	Output capacitor	C508	35					105	
14	Capacitor(Control circuit)	C202	22					105	
15	Power control IC	IC201	80					150	Junction Temp.
16									
17									
18									
19									
20									

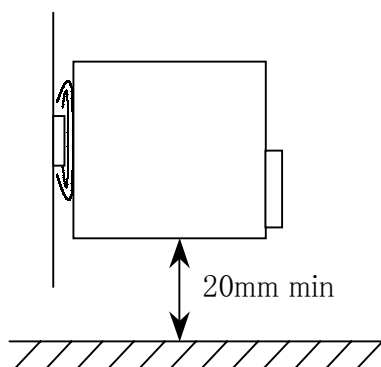


Fig.1.1 Mounting method
(Mounting DIN rail)