

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

Model: KHEA90F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
 (2) Output :Rated output *Derating is required at AC85 - 90[V] input.
 (3) Mounting method :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			12V	24V						
1	Line Filter	L102	43	50					120	
2	Rectifier(Input)	SS101	60	63					150	Junction Temp.
3	Choke Coil(PFC)	L104	45	45					130	
4	Input Capacitor	C106	22	24					105	
5	Rectified Diode(PFC)	D101	50	50					150	Junction Temp.
6	Transistor(PFC)	TR101	49	53					150	Junction Temp.
7	Switching Transistor	TR201	53	53					150	Junction Temp.
8	Transformer	T201	52	52					130	
9	Rectified MOS-FET(Output)	TR601	60	48					150	Junction Temp.
10	Output Choke	L601	53	—					130	
11			—	47					120	
12	Output Capacitor	C515	31	28					105	
13										
14										
15										
16										
17										
18										
19										
20										

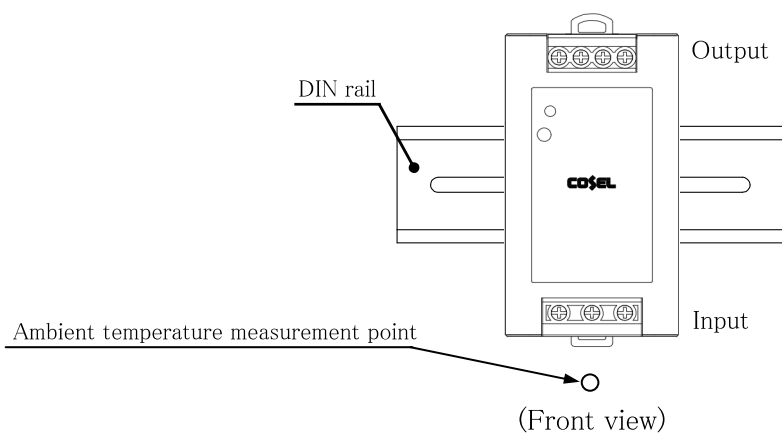


Fig.1.1 Mounting method
(Normal position)

*All information presented herein are not guaranteed.

*本資料は参考資料であり、その内容を保証するものではありません。