

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 ( $\Delta T$ )				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								
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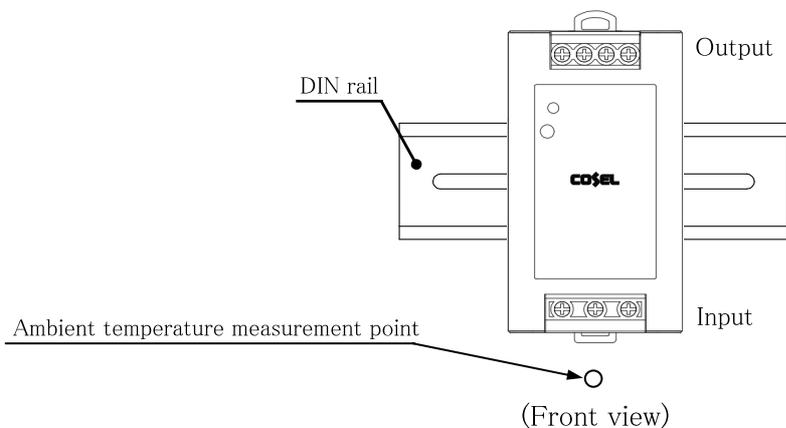


Fig.1.1 Mounting method (Normal position)

\*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。