

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

Model: KHNA90F

## 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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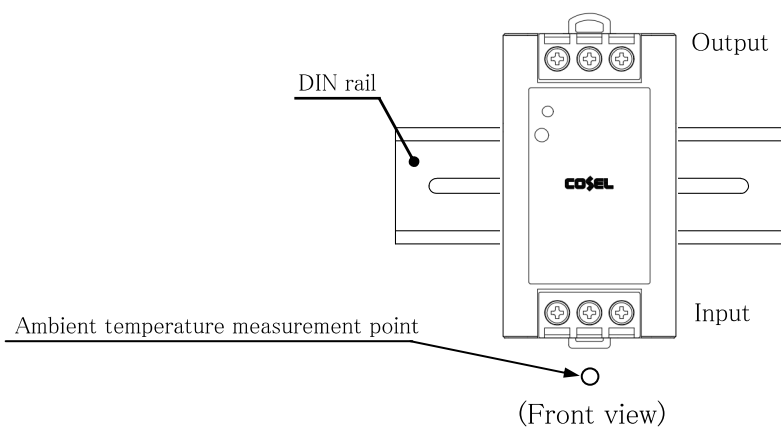


Fig.1.1 Mounting method  
(Normal position)

\*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。