

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

Model: KLNA120F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
- (2) Output :Rated output *Derating is required at AC85 - 100[V] input.
- (3) Mounting method :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)				Rated temp. [°C]	Reference
			[deg]					
			24V	48V				
1	Line Filter	L101	59.1	56.1			130	
2	Rectifier(Input)	SS101	69.5	72.5			150	Junction Temp.
3	Choke Coil(PFC)	L103	53.7	55.2			130	
4	Input Capacitor	C120	29.7	28.5			105	
5	Rectified Diode(PFC)	D101	57.7	57.9			150	Junction Temp.
6	Transistor(PFC)	TR101	53.2	52.2			150	Junction Temp.
7	Switching Transistor	TR201	57.2	58.1			150	Junction Temp.
8	Transformer	T201	57.8	59.2			130	
9	Rectified Diode(Output)	SS501	69.2	60.7			150	Junction Temp.
10	Output Choke	L501	64.4	-			130	
11			-	56.0			125	
12	Output Capacitor	C515	39.0	39.2			105	
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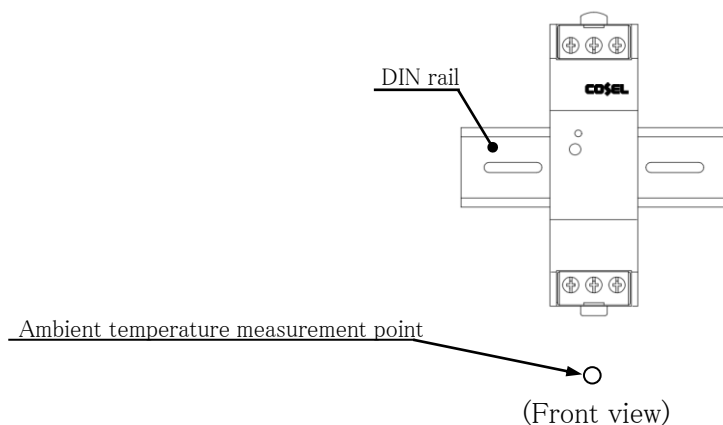


Fig.1.1 Mounting method (Normal position)

*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。