

Date : Apr.15,2025

## Temperature increase of main components

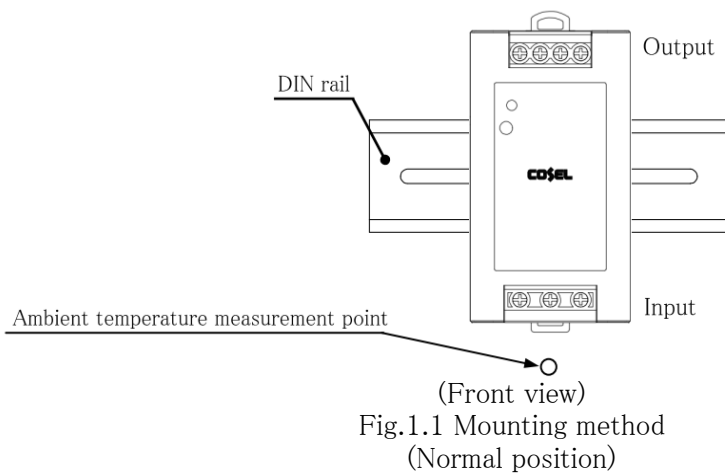
Model: WDA120F

### 1. Conditions

- (1) Input :AC 85 ~ 264 [V]  
 (2) Output :Rated output \*Derating is required at 85-115[VAC] input.  
 (3) Mounting method :Shown as Fig.1.1

### 2. Result

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )						Rated temp. [°C]	Reference
			[deg]							
			24V	48V						
1	Line Filter	L101	29.3	28.3					130	
2	Rectifier(Input)	SS101	54.6	51.1					150	Junction Temp.
3	Input Capacitor	C109	30.2	28.4					105	
4	Input Capacitor	C110	30.7	28.7					105	
5	Switching Transistor	TR201	57.8	54.8					150	Junction Temp.
6	Transformer	T201	58.6	49.4					130	
7	Rectified Diode(Output)	SS501	73.3	55.3					150	Junction Temp.
8	Rectified Diode(Output)	SS502	74.7	60.8					150	Junction Temp.
9	Output Capacitor	C506	28.9	24.3					105	
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\*All information presented herein are not guaranteed.