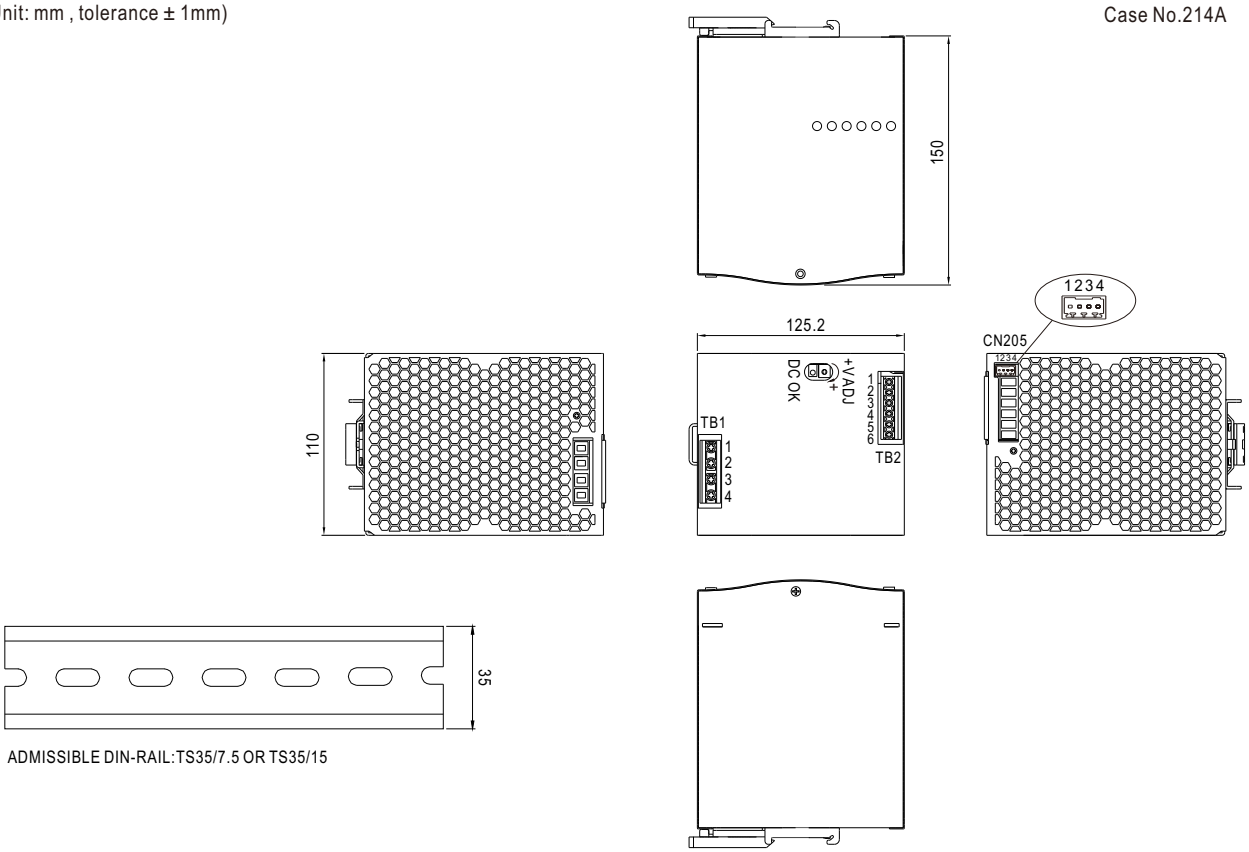
THE DATASHEET OF

TDR-960-24

■ Mechanical Specification

(Unit: mm , tolerance ± 1mm)

Case No.214A



Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	FG ⏚
2	AC/L3
3	AC/L2
4	AC/L1

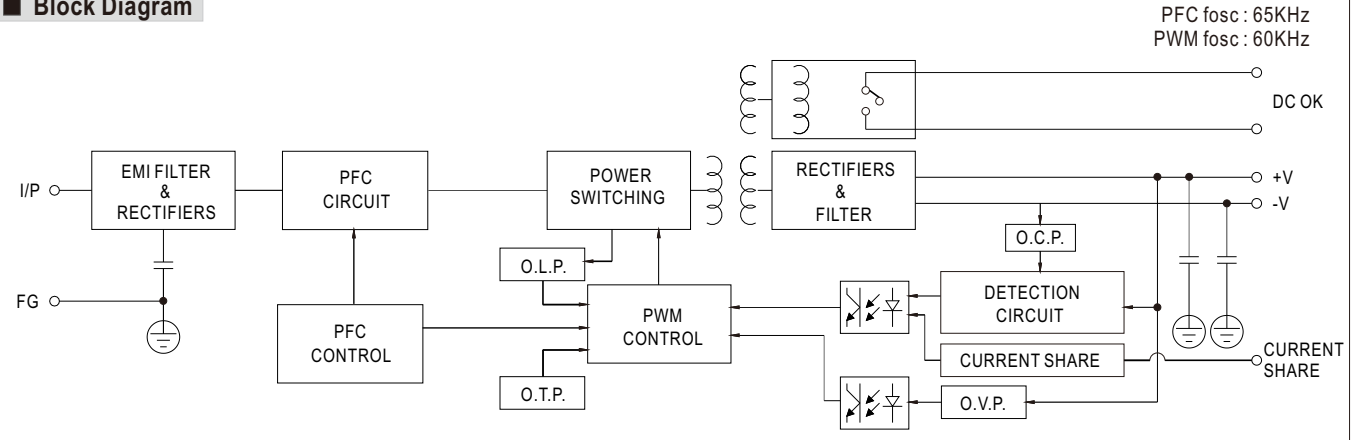
Terminal Pin No. Assignment (TB2)

Pin No.	Assignment
1,2,3	DC OUTPUT +V
4,5,6	DC OUTPUT -V

Control Pin (CN205) : DINKLE ECH250R-04P or equivalent

Pin No.	Assignment	Mating Housing	Wire Diameter
1	P-(Current Share)	DINKLE ESC250V-04P or equivalent (Including in the single package)	0.081~0.517mm^2 (28~20AWG)
2	P+(Current Share)		
3,4	DC OK Relay Contact		

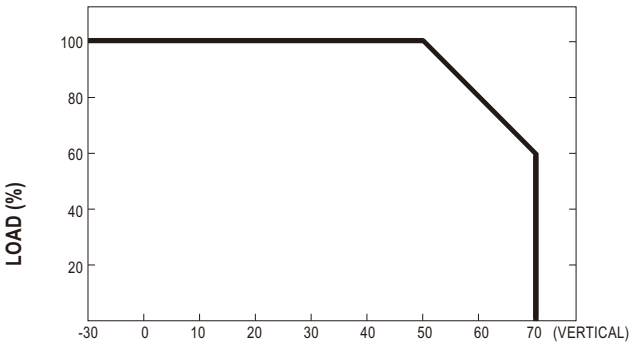
■ Block Diagram



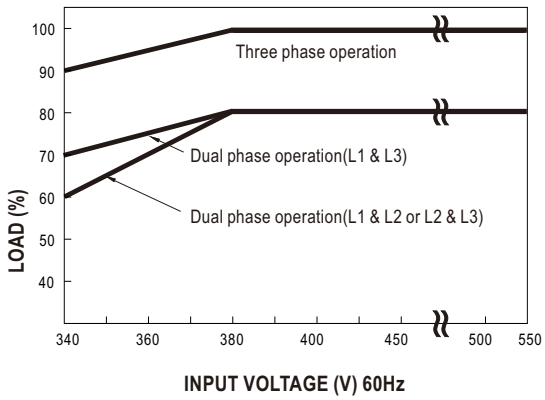
■ DC OK Relay Contact

Contact Close	PSU turns on / DC OK.
Contact Open	PSU turns off / DC Fail.
Contact Ratings (max.)	30V/1A resistive load.

■ Derating Curve

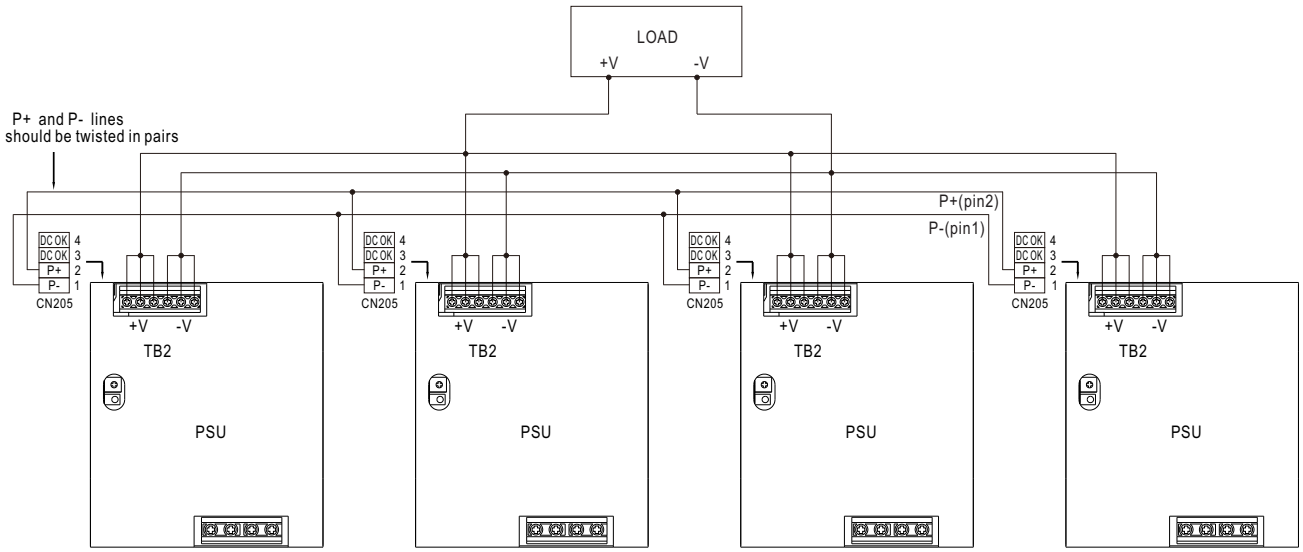


■ Output derating VS input voltage



■ Function Manual

1. Current sharing
   (1) Parallel operation is available by connecting the units shown as below (P+,P- are connected mutually in parallel).
   (2) Difference of output voltages among parallel units should be less than 0.2V.
   (3) The total output current must not exceed the value determined by the following equation (Output current at parallel operation)=(The rated current per unit) x (Number of unit) x 0.9.
   (4) In parallel operation 4 units is the maximum, please consult the manufacture for other applications.
   (5) The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
   (6) When in parallel operation, the minimum output load should be greater than 5% of total output load.
   (Min. load >5% rated current per unit x number of unit)
   (7) In parallel connection, maybe only one unit (master) operate if the total output load is less than 5% of rated load condition.
   The other PSUs (slaves) may go into standby mode and their output LEDs & relays will not turn on.
   (8) Some minor noise may be heard at light load condition under parallel operation.
   This is a normal phenomenon and the performance of the PSU will not be influenced.



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