

## YSD60L-40 SERIES



**Input: 85-264VAC 50/60Hz**  
**Output Voltage: 5V-48V DC**  
**Rated Power :40W max**

### Features

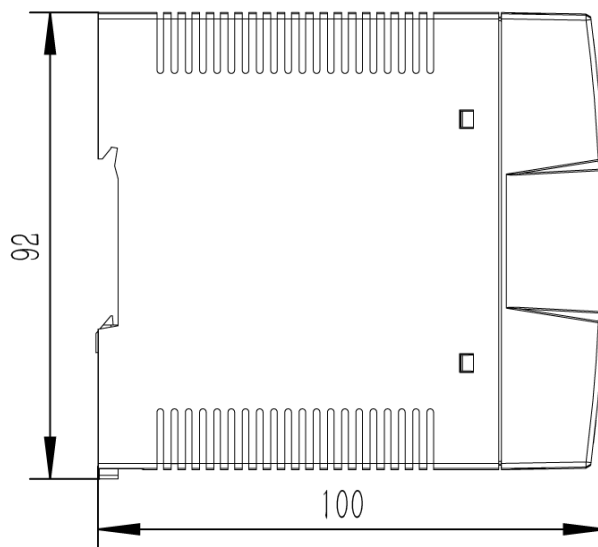
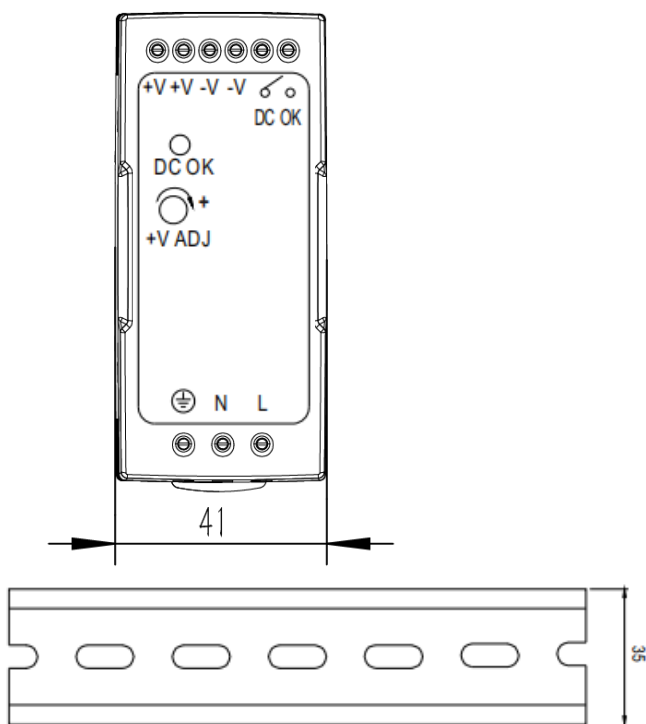
1. International universal full range of exchange input
2. Protection type: over load/over voltage/short circuit
3. DC output voltage adjustable
4. Cooling by free air convection
5. Installed on DIN rail TS-35 / 7.5 or 15
6. Built-in DC OK active signal
7. LED indicator for power on
8. Three years warranty
9. Isolation Class I

### Application

Access Control  
Automation  
Communication Equipment  
Industrial Control Systems



## ■ Dimensions and Installation



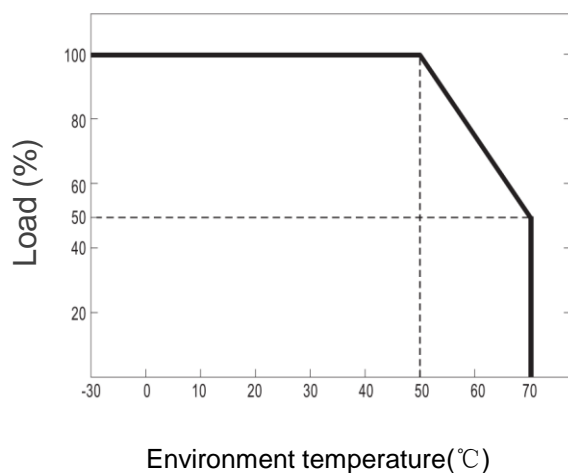
ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15

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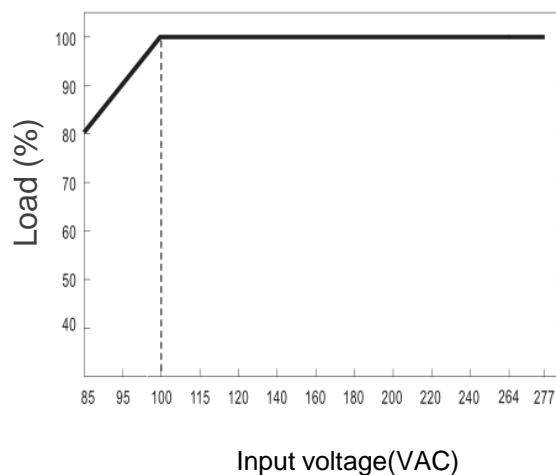
| MODEL DETAIL SPEC. |                            | YSD60L-0506000  | YSD60L-1203330 | YSD60L-2401700 | YSD60L-4800830 |
|--------------------|----------------------------|---|----------------|----------------|----------------|
| INPUT              | Input Voltage:             | 85-264VAC   |                |                |                |
|                    | Input Frequency:           | 50/60Hz   |                |                |                |
|                    | Inrush Current:            | 30A/115VAC 60A/230VAC   |                |                |                |
|                    | AC Current:                | 1.1A/115VAC 0.7A/230VAC   |                |                |                |
|                    | Leakage Current:           | < 0.25mA/240VAC   |                |                |                |
|                    | Efficiency:                | 78%   | 86%            | 88%            | 88%            |
| OUTPUT             | DC Voltage:                | 5V  | 12V            | 24V            | 48V            |
|                    | Rated Current:             | 6A  | 3.33A          | 1.7A           | 0.83A          |
|                    | Rated Power:               | 30W   | 40W            | 40W            | 40W            |
|                    | Voltage Tolerance:         | ±5%   | ±5%            | ±5%            | ±5%            |
|                    | Ripple and Noise:          | 80mVp-p   | 120mVp-p       | 150mVp-p       | 200mVp-p       |
|                    | Line Regulation:           | ±2%   | ±1%            | ±1%            | ±1%            |
|                    | Load Regulation:           | ±1%   | ±1%            | ±1%            | ±1%            |
|                    | Setup, Rise, Hold Up time: | 500ms, 30ms/230VAC 1000ms, 30ms/115VAC at full load   |                |                |                |
| ENVIRONMENTAL      | Operating Temperature:     | -20℃ to 60℃, Full Load, Normal Operation  |                |                |                |
|                    | Storage Temp:              | -40℃ to 85℃   |                |                |                |
|                    | Storage Humidity:          | 10 ~ 95% RH   |                |                |                |
|                    | Working Humidity:          | 20% ~ 95% RH Non-Condensing   |                |                |                |
| PROTECTION         | Over Load:                 | >105%-150% Rated Output Power   |                |                |                |
|                    |                            | Protection type: Hiccup Mode- recovers automatically after fault condition is removed                                 |                |                |                |
|                    | Over Voltage:              | 5V:6.25~ 7.25V 12V:15.6 ~ 18V 24V:31.2 ~ 36V 48V:57.6 ~64.8V  |                |                |                |
|                    |                            | Protection type : Shut down o/p voltage, re-power on to recover   |                |                |                |
|                    | Over Temperature:          | Shut down o/p voltage, re-power on to recover   |                |                |                |
| SAFETY & EMC       | Over Current:              | 110%-180%   |                |                |                |
|                    | Safety Regulations:        | UL508, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368.1 approved                                   |                |                |                |
|                    | Withstand Voltage:         | I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC   |                |                |                |
|                    | Isolation Resistance:      | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH  |                |                |                |
| OTHER              | EMC Emission:              | Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B |                |                |                |
|                    | MTBF:                      | 200,000 Hours Minimum at Full Load at 25℃ Ambient   |                |                |                |
|                    | Size:                      | 41*100*92mm   |                |                |                |
|                    | Weight:                    | 280g / pcs  |                |                |                |
|                    | Packaging:                 | 50PCS/CTN   |                |                |                |

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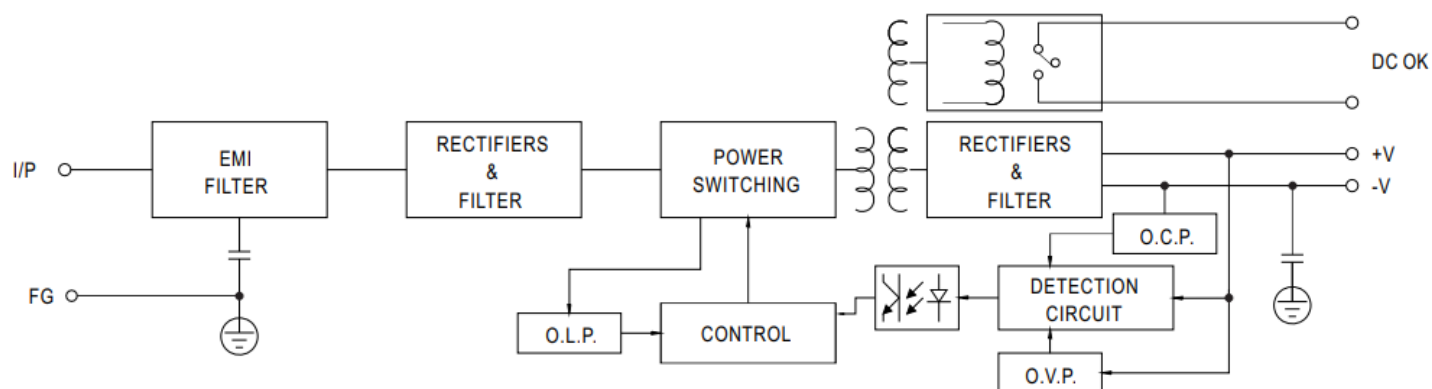
**Deduction curve and temperature**



**Minus output and input voltage curves**



**Functional 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.   |