

**L7161** = Product group; Product group discount L 71 6\_

## MEANWELL Switching Power Supplies

### Open Frame, Single Output

### Output: 40 to 65W

### Series: PS-65

#### Features

- Open frame
- Contact pin for nylon-crimp terminals
- Input voltage range: 85...264V AC
- Overload protection, pulsing hiccup shutdown, reset: auto recovery
- High efficiency
- Short-circuit proof
- 100% full load burn-in test
- Built-in EMI filter, low ripple noise

#### Technical Specifications

Operating Temperature: .....-10...+60°C  
 Storage Temperature: .....-20...+85°C  
 Overload Protection: ....73...105W(3,3V; 51...75W)(5V; 70-105W)  
 Overvoltage Protection:.....115...135V  
 Insulation Voltage  
 I/P-O/P: .....3000V AC  
 I/P-FG:.....1500V AC  
 O/P-FG:.....500V AC  
 Insulation Resistance  
 (I/P-O/P, I/P-FG, O/P-FG: 500V DC): .....100MΩ  
 Hold Up Time (230V): .....20ms  
 Weight: .....280g  
 I/P = Input, O/P = Output, FG = Frame Ground

#### Input

Input Voltage: .....90...264V AC (47...440Hz)  
 .....120...370V DC  
 AC Current (230V): .....0,9A  
 In-Rush Current, Cold Start (230V): .....40A

#### Output

| Part Nr.   | $U_A$<br>[V] | $\Delta U_A$<br>[%] | $I_{AN}$<br>[A] | $I_A$<br>[A] | $P_A$<br>[W] | $U_{RW}$<br>[mV <sub>p-p</sub> ] | $\eta$<br>[%] |
|------------|--------------|---------------------|-----------------|--------------|--------------|----------------------------------|---------------|
| PS-65-3,3  | 3,3          | ±3                  | 12              | 0...12       | 39,6         | 80                               | 69            |
| PS-65-5    | 5            | ±3                  | 12              | 0...12       | 60           | 100                              | 76            |
| PS-65-7,5  | 7,5          | ±3                  | 8               | 0...8        | 60           | 100                              | 79            |
| PS-65-12   | 12           | ±2                  | 5,2             | 0...5,2      | 62,4         | 100                              | 79            |
| PS-65-13,5 | 13,5         | ±2                  | 4,7             | 0...4,7      | 63,5         | 100                              | 79            |
| PS-65-15   | 15           | ±2                  | 4,2             | 0...4,2      | 63           | 100                              | 79            |
| PS-65-24   | 24           | ±2                  | 2,7             | 0...2,7      | 64,8         | 100                              | 80            |
| PS-65-27   | 27           | ±2                  | 2,4             | 0...2,4      | 64,8         | 100                              | 80            |
| PS-65-48   | 48           | ±2                  | 1,35            | 0...1,35     | 64,8         | 100                              | 80            |

$U_A$  = Output Voltage,  $\Delta U_A$  = Output Voltage Tolerance,  $I_{AN}$  = Output Rated Current,  $I_A$  = Output Current Range,  $P_A$  = DC Output Power,  $U_{RW}$  = Ripple & Noise,  $\eta$  = Efficiency

#### Pin Assignment

CN1: Molex 5277-02  
 Pin 1,2: .....AC Input  
 CN2: Molex 5273-06  
 Pin 1,2,3: .....DC Output +U  
 Pin 4,5,6: .....DC Output COM

#### Note

You will find suitable crimp housings in product group L7611.

#### Labelling

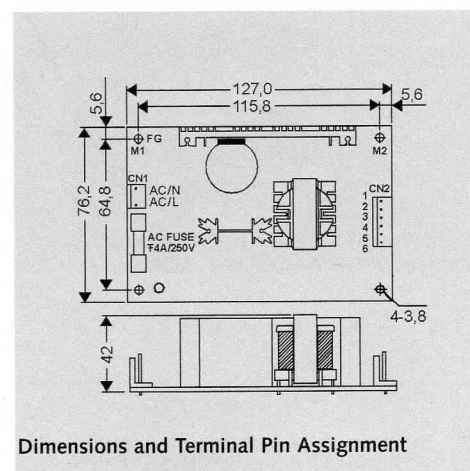
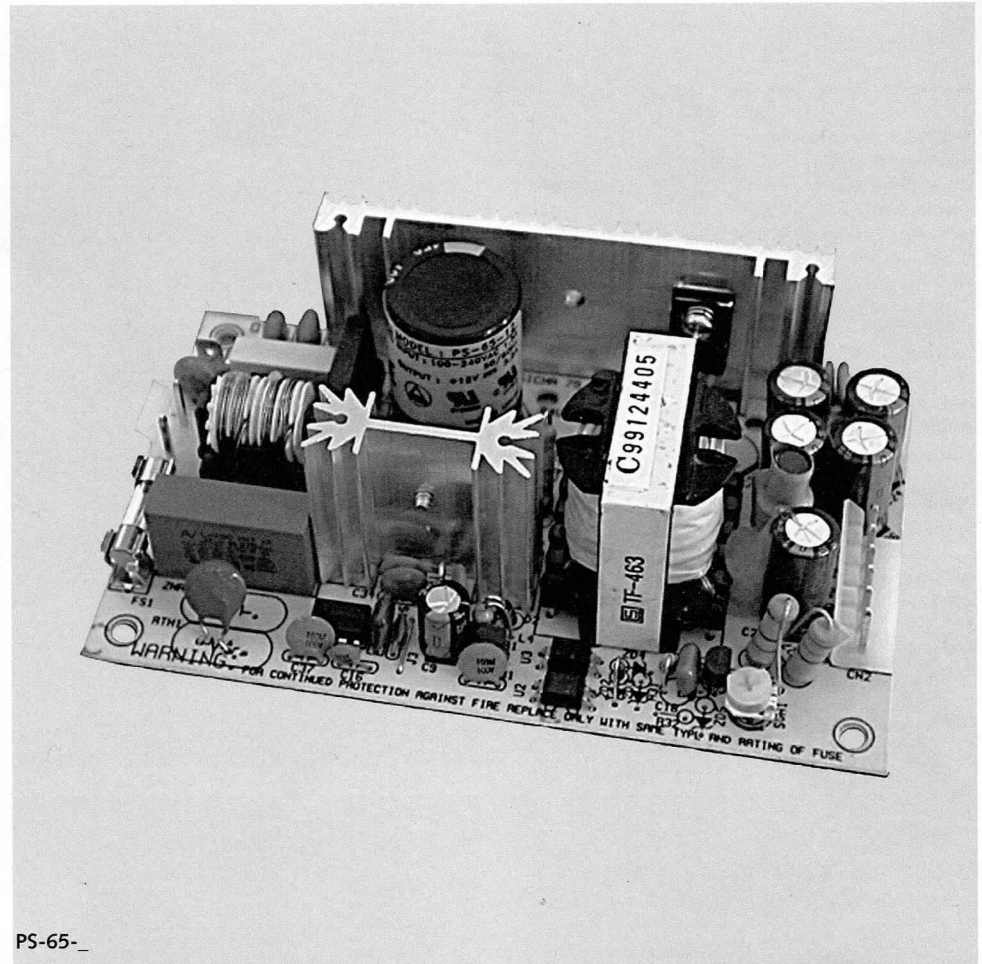
CE   CB

#### Terms of Delivery

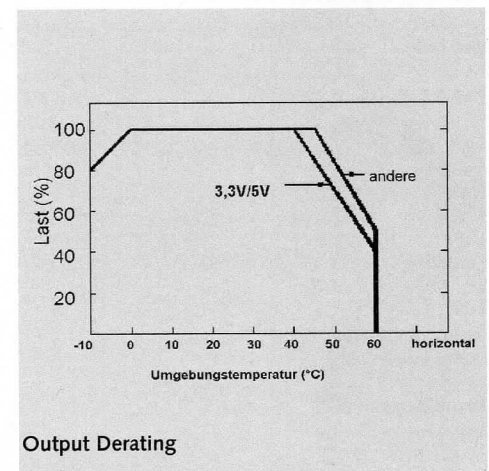
Minimum order quantity: 1 PKU = 1 piece

Manufacturer:  MeanWell  
<http://www.meanwell.com>

| Part Nr.   | Part Description                |
|------------|---------------------------------|
| PS-65-3,3  | SPS Open Frame 40W 3,3V/12,0A   |
| PS-65-5    | SPS Open Frame 60W 5V/12,0A     |
| PS-65-7,5  | SPS Open Frame 60W 7,5V/8,0A    |
| PS-65-12   | SPS Open Frame 62W 12V/5,2A     |
| PS-65-13,5 | SPS Open Frame 63,5W 13,5V/4,7A |
| PS-65-15   | SPS Open Frame 63W 15V/4,2A     |
| PS-65-24   | SPS Open Frame 65W 24V/2,7A     |
| PS-65-27   | SPS Open Frame 65W 27V/2,4A     |
| PS-65-48   | SPS Open Frame 65W 48V/1,35A    |



Dimensions and Terminal Pin Assignment



Output Derating