

# SW 24 Vdc



Low Input Voltage: Vac - Vdc  
 Output: 3, 5, 7A - 24 Vdc  
 Output: not Adjustable  
 Continuous Load to 70% In  
 Short-circuit protection  
 Over Load protection  
 IP20  
 DIN Rail Mountable  
 Extremely small size

## Features

### Input Data

| Code                | SW243LC         | SW245HP       | SW245HP/48      | SW247HP         | SW247HP/48      |
|---------------------|-----------------|---------------|-----------------|-----------------|-----------------|
| Input Rated Voltage | 40 Vdc / 28 Vac | 40 Vdc/28 Vac | 48 Vdc / 38 Vac | 40 Vdc / 28 Vac | 48 Vdc / 38 Vac |
| Rated Voltage range | 24÷32 Vac       | 24÷32 Vac     | 25÷ 51 Vac      | 24÷32 Vac       | 25÷ 51 Vac      |
| Rated Voltage range | 33÷45 Vdc       | 33÷45 Vdc     | 36÷ 72 Vdc      | 33÷45 Vdc       | 36÷ 72 Vdc      |
| Frequency           | 47 ÷ 63 Hz      | 47 ÷ 63 Hz    | 47 ÷ 63 Hz      | 47 ÷ 63 Hz      | 47 ÷ 63 Hz      |
| Internal Fuse       | No              | No            | No              | No              | No              |
| External Fuse       | Fast 4 A        | Fast 6 A      | Fast 6 A        | Fast 6 A        | Fast 6 A        |

### Output Data

|   |                            |                            |                            |                            |                            |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Output Voltage (In)                       | 24Vdc/3A ±2%               | 24Vdc/5A ±2%               | 24Vdc/5A ±2%               | 24Vdc/7A ±2%               | 24Vdc/5A ±2%               |
| Linearity                                 | 0÷3A± 0.25%                | 0÷5A± 0.25%                | 0÷5A± 0.25%                | 0÷5A± 0.25%                | 0÷5A± 0.25%                |
| Adjustment range (Vadj)                   | No                         | No                         | No                         | No                         | No                         |
| Switching on delay applying mains voltage | ≤ 100 msec                 | ≤ 100 msec                 | ≤ 100 msec                 | ≤ 100 msec                 | ≤ 100 msec                 |
| Start up with capacitive load             | 30.000µF–1.5A              | 30.000µF–2A                | 30.000µF–1.5A              | 30.000µF–2A                | 30.000µF–1.5A              |
| Peek Current                              | 3 A                        | 5 A                        | 5 A                        | 7 A                        | 5 A                        |
| Continuous running                        | 3 A                        | 3.5 A                      | 3.5 A                      | 5.5 A                      | 5 A                        |
| Max. Current                              | 1.05 x I <sub>N</sub> ± 7% | 1.05 x I <sub>N</sub> ± 7% | 1.05 x I <sub>N</sub> ± 7% | 1.05 x I <sub>N</sub> ± 7% | 1.05 x I <sub>N</sub> ± 7% |
| Residual Ripple                           | ≤ 60 mV <sub>pp</sub>      | ≤ 60 mV <sub>pp</sub>      | ≤ 60 mV <sub>pp</sub>      | ≤ 60 mV <sub>pp</sub>      | ≤ 60 mV <sub>pp</sub>      |
| Minimum Load                              | No                         | No                         | No                         | No                         | No                         |
| Efficiency                                | ≥ 88 %                     | ≥ 88 %                     | ≥ 88 %                     | ≥ 88 %                     | ≥ 88 %                     |
| Short-circuit protection                  | Yes / Si                   | Yes / Si                   | Yes / Si                   | Yes / Si                   | Yes / Si                   |
| Over Load protection                      | Yes / Si                   | Yes / Si                   | Yes / Si                   | Yes / Si                   | Yes / Si                   |
| Over Voltage Output protection            | No                         | No                         | No                         | No                         | No                         |
| Parallel connection                       | No                         | No                         | No                         | No                         | No                         |

### Climatic Data

|                                    |               |               |               |               |               |
|------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Ambient Temperature (operation)    | -10 ÷ +70 °C  | -10 ÷ +70 °C  | -10 ÷ +70 °C  | -10 ÷ +70 °C  | -10 ÷ +70 °C  |
| Derating Temperature > 50°         |               |               |               |               | 2.5% /°C      |
| Ambient Temperature (Storage)      | -25 ÷ + 85 °C | -25 ÷ + 85 °C | -25 ÷ + 85 °C | -25 ÷ + 85 °C | -25 ÷ + 85 °C |
| Humidity; no moisture condensation | 95 % - 25°C   | 95 % - 25°C   | 95 % - 25°C   | 95 % - 25°C   | 95 % - 25°C   |

### General Data

|                      |                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Degree of protection | IP 20                | IP 20                | IP 20                | IP 20                | IP 20                |
| Protection class     | I, with PE connected | I, with PE connected | I, with PE connected | I, with PE connected | I, with PE connected |
| Dimension (w-h-d)    | 50x95x61             | 50x95x61             | 50x95x61             | 70x95x61             | 70x95x61             |
| Weight               | 0,20 Kg              | 0,20 Kg              | 0,20 Kg              | 0.35 Kg              | 0.35 Kg              |

### Norms and certifications

In according to EMC 2014/30/EU; Low voltage 2014/35/EU ; Rohs 2011/65/EU  
 Immunity: EN61000-6-2  
 Emission: EN61000-6-4  
 Discharge of static electricity: EN 61000-4-2  
 Electromagnetic Field: EN 61000-4-3  
 Fast Transient: EN 61000-4-4  
 Surge Voltage capacities: EN 61000-4-5