

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 _N ± 7%	1.05 x I _N ± 7%	1.05 x I _N ± 7%	1.05 x I _N ± 7%	1.05 x I _N ± 7%
Residual Ripple	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}
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