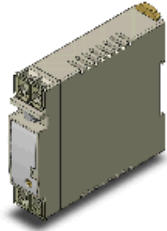


Switch Mode Power Supply (15/30/60/90/120/180/240/480-W Models)

English

S8VS-01524

Print Page



Image

Case model, Input: 100 to 240 VAC, Power rating 15 W, Output: 24 VDC, Terminal blocks (Screw terminal), Undervoltage alarm indicator, DIN Rail mounting, Harmonic current emissions

Power rating	15 W
Rated input voltage	100 to 240 VAC
Output voltage	24 VDC
Heat radiation	Natural air-cooling
Construction	Covered type
Terminal type	Screw terminal
Structure	Terminal blocks
Mounting type	DIN Rail mounting

Series



Switch Mode Power Supply

(15/30/60/90/120/180/240/480-W Models)

[S8VS](#)

[Catalog](#)

about this Product

[Inquiry of this Product](#)

[Item list of S8VS](#)

[Ratings / Performance](#)

[Outline drawing](#)

[Connection diagram](#)

[Derating curve](#)

As of February 2, 2017

Power rating	15 W
Efficiency	83% TYP. (at 100 VAC input) 80% TYP. (at 200 VAC input)
Rated input voltage	100 to 240 VAC
Allowable input voltage variable range	85 to 264 VAC 80 to 370 VDC
Note at DC input	The range for compliance with EC Directives and safety standards (UL, EN, etc.) is 100 to 240 VAC (85 to 264 VAC).
Frequency	50/60 Hz (47 to 450 Hz)
Rated input current	0.34 A TYP. (at 100 VAC input) 0.22 A TYP. (at 200 VAC input)
Leakage current	0.5 mA max. (at 100 VAC input) 1.0 mA max. (at 200 VAC input)
Inrush current	14 A TYP. (at 100 VAC input) 28 A TYP. (at 200 VAC input)
Output voltage	24 VDC
Output voltage variable range	-10 to +15% (With V. ADJ)
Ripple	60 mV max. (Under the rated I/O conditions.)
Static input variation influence	0.5% max. at 85 to 264 VAC input, 100% load
Static load variation influence	1.5% max. at rated input, 0 to 100% load
Ambient temperature variation influence	0.05 %/°C max.
Rated output current	0.65 A
Start up time	600 ms TYP. (at 100 VAC input) 400 ms TYP. (at 200 VAC input)
Hold time	28 ms TYP. (at 100 VAC input) 134 ms TYP. (at 200 VAC input)
Overload protection	105% to 160% of the rated output current, Inverted L voltage drop, Intermittent operation, Automatic reset
Overvoltage protection	Operated at 130% min. of the rated output voltage, Shut-off Resetting: Reset the power by turning it back (OFF time: at least 3 min)
Overheat protection	No
Undervoltage alarm output	No
Power failure alarm output	No
Parallel operation	No (However, backup operation is possible; external diodes required.)

Series operation	Yes (Up to 2 Power Supplies with external diode)
Dielectric strength	Between all inputs and all outputs: 3 kVAC for 1 min (Detection current: 20 mA) Between all inputs and PE terminals: 2 kVAC for 1 min (Detection current: 20 mA) Between all outputs and PE terminals: 1 kVAC for 1 min (Detection current: 20 mA)
Insulation resistance	Between all outputs and all inputs/ PE terminals: 100 MΩ min. (at 500 VDC)
Vibration resistance	10 to 55 Hz, 0.375 mm single amplitude in each 3 directions for 2 hours
Shock resistance	150 m/s**2, in each 6 directions 3 times
Output indicator	Yes (color: green)
Heat radiation	Natural air-cooling
Construction	Covered type
Structure	Terminal blocks
Terminal type	Screw terminal
Attachment	Terminal block cover
Weight (Main)	Approx. 160 g

Do not use the Inverter output for the Power Supply. Inverters with an output frequency of 50/60 Hz are available, but the rise in the internal temperature of the Power Supply may result in ignition or burning.

As of February 2, 2017

[▲ Top of page](#)