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Compact DIN rail power supply

S8VS SERIES

with LED display



Advanced Industrial Automation

OMRON



Omron's S8VS is the ideal power supply series for manufacturers. It features a unique 3-digit, 7-segment LED display that provides information on output voltage, output current and output peak current for faster, easier diagnostics. It has a built-in run-time monitor that indicates the total operation time of the power supply. Its very compact size requires less panel space than competitors' models. Its DIN rail click-on system makes installation a very easy process. And it is available in a variety of power ratings from 60W to 240W!

Ultra-compact dimensions, unique LED display!

The S8VS series is currently the ONLY power supply family available in Europe with an LED display. Machine builders for the packaging, automotive and textile industries can now enjoy the obvious benefits that the S8VS brings, including ease of installation and maintenance, less panel space requirements and therefore less costs.



- **Omron's quality and reliability built-in**

- *Designed and tested to Omron's renowned high standards, each product in this range meets all relevant international standards and provides consistently superb quality throughout its working life.*

- **Total hardware supplier**

- *Omron's huge product portfolio ensures that there's always a product available to handle your specific application!*

- **Complete solutions provider**

- *Omron's drive for continuous development and use of innovative technologies, combined with its strict quality-first policy and just-in-time delivery of components and solutions, makes us the ideal business partner for even the most demanding user.*

The display that tells you everything!

Looking for the source of a power problem in a typical machine panel requires a lot of time and equipment. Not so with the S8VS! Via this power supply's 3-digit, 7-segment display you can check the status of voltage, current and total run-time of the unit. You can also check the output peak current, and quickly diagnose open-circuits or short-circuits to the system. In fact up to 80% of diagnostics can be quickly solved via this display!

Unique 3-digit, 7-segment LED display of the S8VS!

What it displays

- **Output voltage**
 - *Easy to adjust output voltage during set-up, and monitor it continuously.*
- **Output current**
 - *Easy to see whether your load is within the range of the power supply under stable conditions.*
- **Peak hold current**
 - *Easy to diagnose maximum load of your machine, and whether there are any errors.*
- **Run time**
 - *Indicates the total operating time of the power supply. It also eliminates the need for routine checks, which reduces operational and maintenance costs.*
- **Undervoltage alarm**
 - *This indicator lights when the output voltage is insufficient (transistor output is provided for urgent notification (except for 60W model)).*

Built-in monitor for preventive maintenance

The S8VS has a microprocessor-controlled total run-time monitor that indicates the total operating time of the power supply. Together with the alarm output this feature provides a suitable means of preventive maintenance.

Features at a glance!

3-digit, 7-segment display

Shows at a glance the status of voltage, current and total run-time of the unit. This display makes diagnostics and maintenance easier, and helps detect power supply and power line problems faster.

Ultra-compact dimensions

These power supplies provide more power per cubic centimetre than any competitors' models.

Easy to mount

The DIN rail click-on system ensures fast, easy mounting.

Full range to choose from

Choose from a 60W, 90W, 120W, 180W and 240W model.

Ultra-compact size saves space and money

Each S8VS power supply provides more power per cubic centimetre than any competitor's model. The ultra-compact dimensions of these power supplies means that less panel space is required.



Easy to mount and install

The S8VS features a DIN rail click-on system for easy mounting. The terminal locations are situated at the upper and lower side of the power supply, which makes installation easier and prevents wiring errors.

Environmentally friendly

Omron's policy of environmental awareness is reflected in these products. The soldering in all of the S8VS models is lead-free.

The range

The range includes 60W, 90W, 120W, 180W and 240W models. These models cover 80% of the market requirements. Omron also provides models without the 7-segment display monitor, offering you an even wider selection to choose from!

Protecting your system

To prevent unexpected down-time due to a power failure or to control the shut-down process in the event of a mains fault, Omron has developed the S8T-DCBU-02 buffer block. This buffer block is maintenance-free and is one of the most cost-efficient ways of protecting your system. It provides a back-up power source for at least 500ms (at 2.5A) to 1s (at 1A). Up to four of these blocks can be connected in parallel to increase the back-up time and current handling capacity.

S8VS series specifications

Power	60 W		90 W		120 W		180 W		240 W	
	S8VS-06024A	S8VS-06024	S8VS-09024AP	S8VS-09024	S8VS-12024AP	S8VS-12024	S8VS-18024AP	S8VS-18024	S8VS-24024AP	S8VS-24024
	S8VS-06024B		S8VS-09024BP		S8VS-12024BP		S8VS-18024BP		S8VS-24024BP	
										
Input voltage	100-240VAC (85-264VAC) 50/60Hz									
Output voltage (current)	24VDC (2.5A)		24VDC (3.75A)		24VDC (5A)		24VDC (7.5A)		24VDC (10A)	
7-segment LED display	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Alarm output (PNP)	No	No	Yes	No	Yes	No	Yes	No	Yes	No
Dimensions (W x H x D)	40 x 95 x 108.3 mm		50 x 115 x 121.3 mm				75 x 115 x 125.3 mm		100 x 115 x 125.3 mm	
S8T-DCBU-02 buffer unit	Yes (optional)									

AP-Type: With maintenance forecast monitor and undervoltage alarm (sourcing).

BP-Type: With total run-time monitor and undervoltage alarm (sourcing).

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