

S8 POWER SUPPLIES

Get your DC power under control



» Compact switch-mode power supplies

» Unique digital multi-circuit protector

» Complete single and 3-phase ranges

Shorten down-time!

The S8M Digital Multi-circuit Protector is a complete and flexible way of optimizing DC power supply usage.

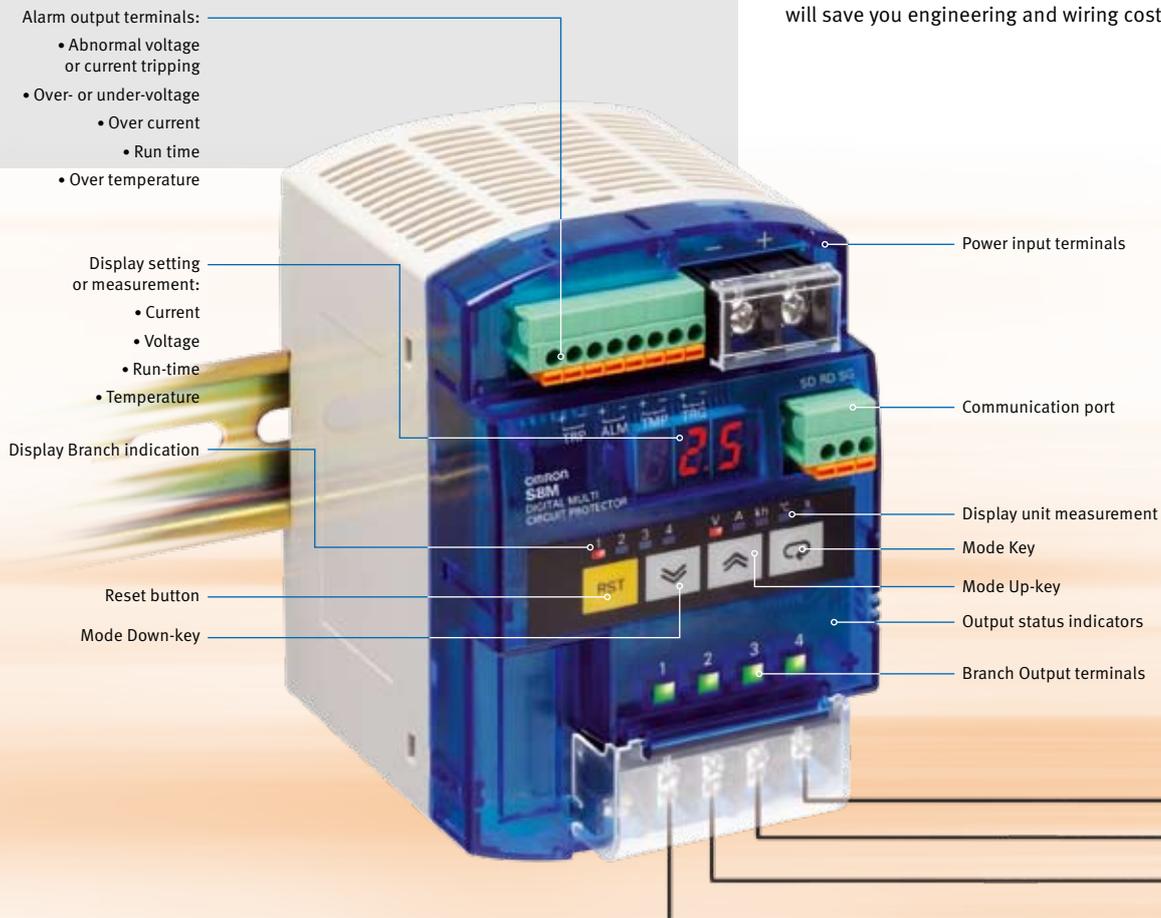
This unique unit manages effectively your power distribution. In case of any electrical disturbance in one of the circuits, it will switch-off this circuit so that other circuits will be secured. It indicates the likely cause of the failure– allowing fast, effective corrective action to be taken. In this way you minimize machine downtime.

High performance, full control

The S8M offers stable and reliable tripping performance in terms of value, time and safety, especially with short loads. The cut-off performance is such that there is no effect on other branch outputs and a current-limiting circuit prevents excessive current from flowing in a short-circuited state. Moreover, the functions for tripping input and shutdown sequence combine to ensure that only the appropriate circuits are shut down. Tripping values can be set easily and quickly in 0.1 A units. Furthermore, we offer free configuring and monitoring- software.

Designed for your application

The S8M is designed with automotive, semiconductor and packaging applications in mind. And wherever you want maximum control over your DC application. Moreover, a version that conforms to UL Class 2 (required for export projects destined for the USA) is available that will save you engineering and wiring costs.



Perfect combination

S8M circuit protector + S8V power supplies

When selecting our S8M circuit protector together with our S8V series of industrial compact power supplies. The S8V series is available in a single- and three-phase input voltage. The range for the single-phase S8VS goes up to 20 A and the range for the three-phase S8VT goes up to 40 A. It is possible to use the S8M with any 24 VDC supply.

Features & Benefits S8VS

- Compact size
 - Space saving
- Over-voltage protection
 - Prevent power supply defect
- Din-rail clip
 - Quick / easy mounting
- Complies with SEMI- F47-0200
 - For use in medical applications
- RoHS compliant
 - Environmental responsibility
- All required safety standards
 - World wide acceptance
- Parallel operation
 - Double the output power
- Serial operation
 - For 48 VDC applications

S8VS single phase power supplies

Most compact series

The S8VS is our most compact single-phase power supply range. It starts at 0.65 A and goes up to 20 A at 24 VDC. However, the S8M performs best with a DC power supply of 5 A minimum. Therefore the best combinations are with our 5 A, 10 A or 20 A power supplies. The 20 A model is the latest addition to our successful S8VS series. This model is able to supply a short-duration 30 A peak output current. The S8VS offer reliability with compactness and combines high capacity with natural (fan-less) cooling.

All models are designed for easy click-on DIN-rail mounting and give full power without the need for additional ventilation. The terminal locations are situated at the upper and lower side of the power supply, which makes installation easier and prevents wiring errors. The dimensions of these compact power supplies mean that less panel space and depth are required.





Features & Benefits S8VT

- 3-phase input 400 to 500 VAC
 - *Wide input voltage for global use*
- Compact design
 - *Space saving / high power versus footprint*
- Build-in fuses
 - *Protecting application & power supply itself*
- Over-voltage protection
 - *Prevent power supply defect*
- Din-rail clip
 - *Quick / easy mounting*
- RoHS compliant
 - *Environmental responsibility*
- All required safety standards
 - *World wide acceptance*
- Parallel / serial operation
 - *For double the output power /voltage*

S8VT 3-phase power supplies

Top performance in robust housing

The S8VT is our series of compact three-phase input power supplies with a wide input range from 400 to 500 VAC. The S8VT offers one of the best power-to-footprint ratios on the market. The range comprises four models available with power ratings of 5, 10, 20 or 40 A at 24 VDC. All models are mains protected by fuses to protect both the power supply and your DC application. Using the S8M together with our S8VT will protect your current DC distribution even more.

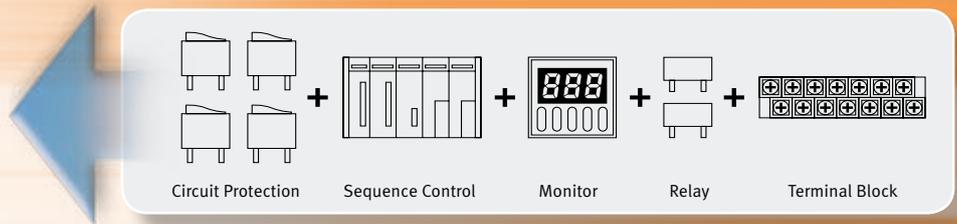
All models are designed for industrial use and therefore feature DIN-rail mounting, a strong metal case and give full power without the need for additional ventilation. Furthermore, all models are equipped with double connection for the DC supply, making wiring easier. On top of this you can use the S8VT as well as a single-phase DC/DC converter with an input voltage up to 810 VDC. The series conforms to industrial standards around the world.

S8M + S8VS + S8VT models

Unit	Input Voltage	Power rating	Output voltage	Output current	Dimensions HxWxD (mm)	Ordering number
Circuit protector 4-channels	Through power supply 24 VDC	up-to 96 W	24 VDC	Adjustable up-to 4 A	115 x 75 x 94	S8M-CP04
		up-to 91.2 W		Adjustable up-to 3.8 A		S8M-CP04-R
Single-phase Power Supply	100 to 240 VAC	120 W		5 A		115 x 50 x 121.3
		240 W		10 A	115 x 100 x 125.3	S8VS-24024
		480 W		20 A	115 x 150 x 127.2	S8VS-48024
Three-phase Power Supply	400 to 500 VAC	120 W		5 A	125 x 45 x 130	S8VT-F12024E
		240 W	10 A	170 x 45 x 130	S8VT-F24024E	
		480 W	20 A	170 x 100 x 130	S8VT-F48024E	
		960 W	40 A	170 x 195 x 130	S8VT-F96024E	

*1 UL Class2 compliant

Complete control in one unit



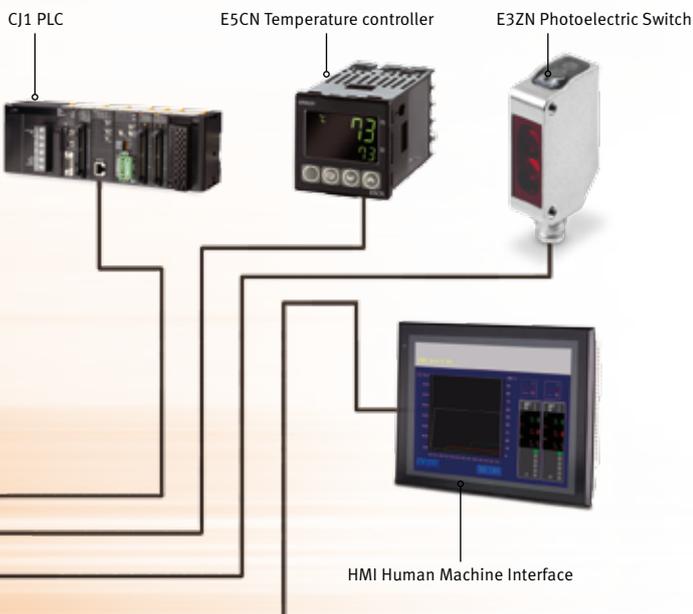
4 Channels in one go!

The S8M offers built-in monitoring, display and alarm of input voltage, output current, temperature and run-time. With one unit you can have one current DC supply branching into four, with a setting of 0 to 4 A max. You can configure your start-up and shutdown sequences per branch output as needed for your application. This is done by ensuring that power is only provided to devices when 24 VDC has been reached and by preventing a sudden inrush of current.

The S8M can be easily configured with the four buttons on the front. The configuration steps are intuitive and guided with LEDs. The model with a built-in RS-232C-port enables you to use the free support software for parameter setting, monitoring your power distribution and performing tripping operations for branch outputs. This port can also be connected to a network to perform other remote monitoring and control operations. Moreover, as the S8M consists of four circuit protectors in one package, the installation and wiring effort is reduced significantly. And there's another advantage. When there is a DC distribution fault, the time to check the wiring will be significantly reduced because you will know where and what to check.

Features & Benefits S8M

- Four circuits protectors in one package
- Reducing wiring & space saving
- Simple setting of current tripping values for each branch outputs in 0.1 A units
- Accurate setting
- Start-up and shutdown sequence control
- To optimize power usage in two directions
- Display and alarm functions (input voltage, output current, run time, and over-temperature)
- Full control over your power system
- DIN-rail mounting
- Easy & quick mounting
- Free support software tool
- Setting all parameters through PC
- Conforms with UL Class 2
- Solving wiring issue for USA markets
- RS-232C-port
- For parameter setting or monitoring



Actual status, like input voltage, current per branch output present & peak, output status alarm, branch output trip or connect control, start-up and shutdown sequence control.

Branch output	Present current (A)	Peak current (A)	Peak current (A)
1	0.2	5.2	5.2
2	0.0	0.2	0.2
3	0.1	2.5	2.5
4	0.0	0.2	0.2

Status monitor, feedback about setting.

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