PRODUCT NEWS

Product Discontinuation Notices

Power Supplies

OMRON

Issue Date
March 1, 2022

No. 2022059CE

Discontinuation Notice of Switch Mode Power Supply S82S series.

Product Discontinuation		Recommended Replacement
Switch Mode Power Supply		Switch Mode Power Supply
Model S82S series		**Model S8VS series 15W Models**
Model S82S-[][]05		**Model S8VS-01505**
Model S82S-[][]12		**Model S8VS-01512**
Model S82S-[][]24		**Model S8VS-01524**
Model S82S-7727		**Model S8VS-01512 (2 units)**
		Model S8FS-G series 15W Model
Model S82S-[][]15		**Model S8FS-G01515CD**
Model S82S-7728		**Model S8FS-G01515CD (2 units)**

[Final order entry date]

Model S82S-7727, S82S-7728 : The end of September, 2022
Model S82S-[][]05, S82S-[][]12, S82S-[][]15, S82S-[][]24 : The end of March, 2023

[Date of The Last Shipping]

Model S82S-7727, S82S-7728 : The end of December, 2022
Model S82S-[][]05, S82S-[][]12, S82S-[][]15, S82S-[][]24 : The end of June, 2023

[Caution on recommended replacement]

- Dimensions are different.
- Wire connection is different.
- Generating ± output by 2 units connection.
- Mounting dimensions are different.
- The rated input voltage changes from DC input to AC input.
- Overcurrent protection characteristics are different.
- There are some Model which have different derating curve.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	Operation ratings	Operation methods
S8VS series	**	--	--	--	--	*	*
S8VK-S series	--	--	--	--	--	*	*

** : Compatible
* : The change is a little/Almost compatible
-- : Not compatible
- : No corresponding specification

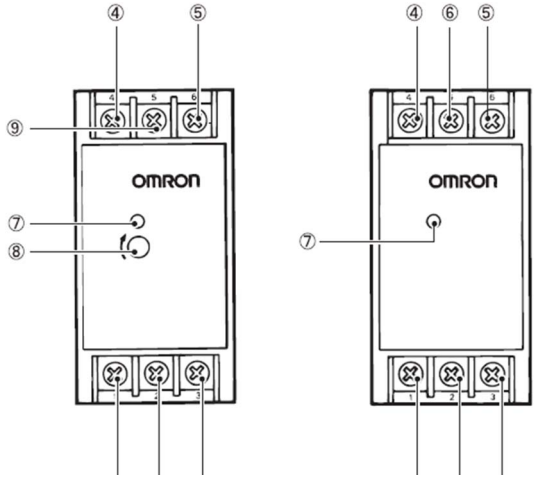
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
S82S-7305 5V 0.6A	S8VS-01505
S82S-7312 12V 0.25A	S8VS-01512
S82S-7315 15V 0.2A	S8FS-G01515CD
S82S-7324 24V 0.13A	S8VS-01524
S82S-7705 5V 1.5A	S8VS-01505
S82S-7712 12V 0.6A	S8VS-01512
S82S-7715 15V 0.5A	S8FS-G01515CD
S82S-7724 24V 0.3A	S8VS-01524
S82S-7727 +12V 0.3A -12V 0.2A	S8VS-01512 (Required : 2 units)
S82S-7728 +15V 0.2A -15V 0.2A	S8FS-G01515CD (Required : 2 units)

[Terminal arrangement / Wire connection]

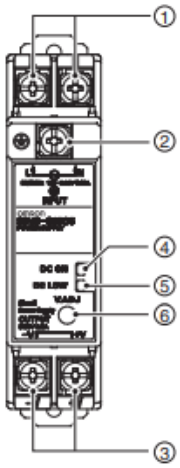
Product discontinuation Model S82S series	Recommendable replacement Model S8VS and S8FS-G series

Single output　　Dual Output



①Input terminal (+V) / Connect the input line (+V) to this terminal.
②Input terminal (−V) / Connect the input line (−V) to this terminal.
Note. A fuse is connected to +V terminal.
③Ground terminal / Connect the ground line.
④DC output terminal (+V) / Connect the load line (+V) this terminal.
⑤DC output terminal (−V) / Connect the load line (−V) this terminal.
⑥DC output terminal (0V) / Connect the load line (0V) this terminal.
⑦Output LED indicator / Lights when the power supply is producing the DC output.(Light when +V DC output is ON with ±output type.)
⑧V.ADJ adjuster / Adjusts the output voltage.
⑨NC terminal / Vacant terminal

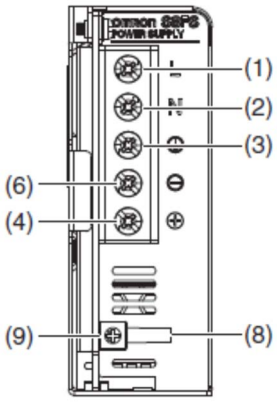
<S8VS series 15W(5V, 12V, 24V) Models>



No.	Name	Function
1	Input terminals (L), (N)	Connect the input lines to these terminals. *1
2	Protective Earth terminal (PE)	Connect the ground line to this terminal. *2
3	DC Output terminals (–V), (+V)	Connect the load lines to these terminals.
4	Output indicator (DC ON: Green)	Lights while a direct current (DC) output is ON.
5	Undervoltage indicator (DC LOW: Red)	Lights when a drop is detected in the output voltage.
6	Output voltage adjuster (V.ADJ)	Use to adjust the voltage.

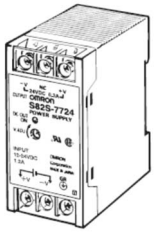
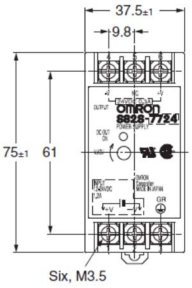
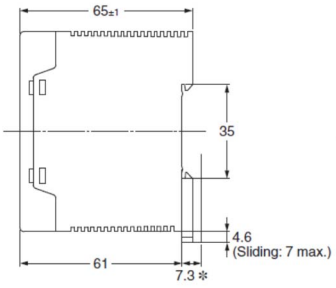
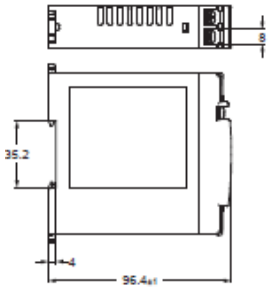
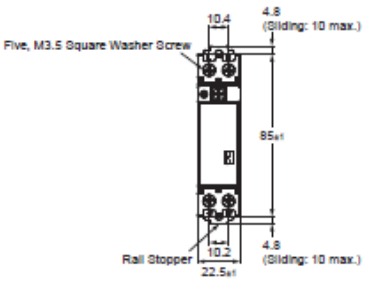
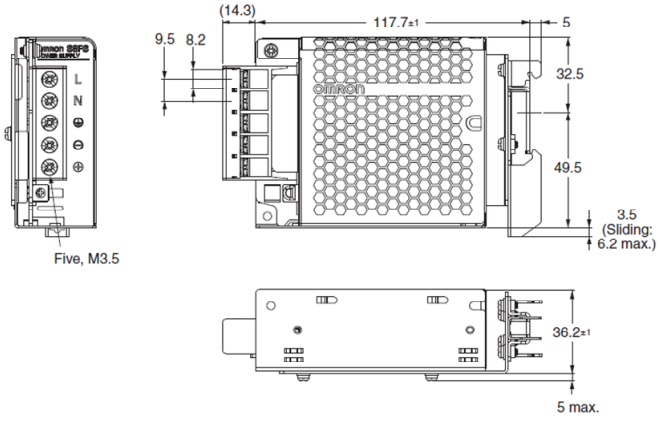
*1. The fuse is located on the (L) side. For a DC input, connect the positive voltage to the L terminal.
*2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

<S8FS-G series 15W15V Model>

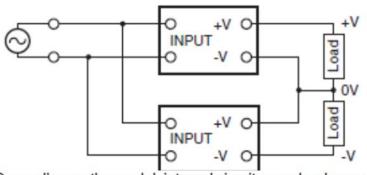
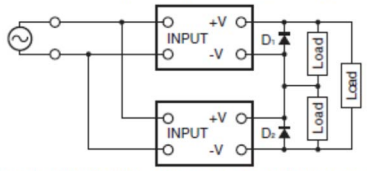


No.	Terminal name	Name	Function
(1)	L	Input terminals	Connect the input lines to these terminals. ※1
(2)	N		
(3)	PE	Protective Earth terminal (⏚)	Connect the ground line to this terminal. ※2
(4)	+V1	DC output terminals	Connect the load lines to these terminals.
(6)	-V1		
(8)	---	Output indicator (DC ON: green)	Lights while a direct current (DC) output is ON.
(9)	---	Output voltage adjuster (V.ADJ)	Use to adjust the voltage.

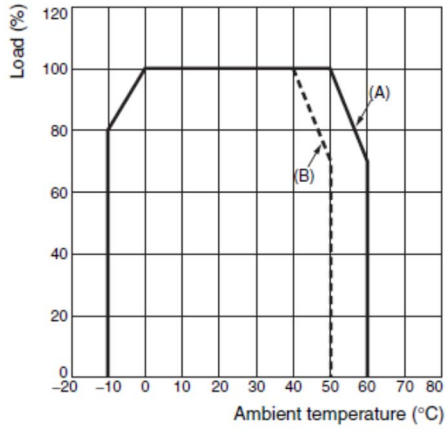
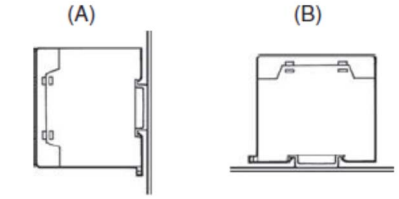
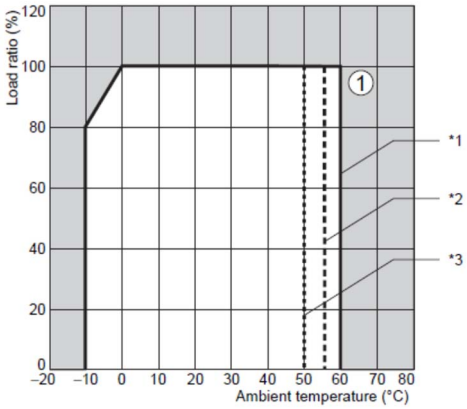
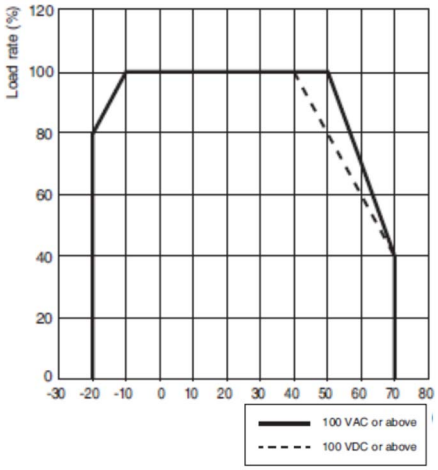
[Dimensions / Mounting dimensions]

Product discontinuation Model S82S series	Recommendable replacement Model S8VS and S8FS-G series
   ✻ A distance of 7.3 mm is required between the model and the mounting surface when the mounting bracket provided with the model is used.	**<S8VS series 15W（5V, 12V, 24V）Models>**    **< S8FS-G series 15W15V Model>**  

[Characteristics]

Item	Product discontinuation Model S82S series	Recommendable replacement Model S8VS and S8FS-G series
Input voltage	3W (5V, 12V, 15V, 24V) Models 7.5W (5V,12V,15V, 24V,±12V, ±15V) Models AC not allowed 10.2 to 27.6VDC)	S8VS series 15W (5V, 12V, 24V) Models 100 to 240VAC free input (85 to 264VAC,80 to 370VDC) S8FS-G series 15W15V Model 85 to 264 VAC, 80 to 370 VDC
Input current	3W (5V, 12V, 15V, 24V) Models 0.6A max. 0.4A max. (at 200VAC input) 7.5W (5V,12V,15V, 24V,±12V, ±15V) Models 1.2A max.	S8VS series 15W (5V, 12V, 24V) Models 0.45A max. (at 100VAC input) 0.25A max. (at 200VAC input) S8FS-G series 15W15V Model 0.32A typical (at 100VAC input) 0.2A typical (at 200VAC input)
Overload protection	3W (5V, 12V, 15V, 24V) Models 7.5W (5V,12V,15V, 24V,±12V, ±15V) Models 105% min. voltage drop, automatic reset	S8VS series 15W (5V, 12V, 24V) Models 105% to 160% of rated load current inverted L voltage drop, intermittent, automatic reset S8FS-G series 15W15V Model 105% to 160% of rated load current, voltage drop, intermittent, automatic reset
± Output	7.5W (±12V, ±15V) Models Yes	S8VS series 15W12V Models S8FS-G series 15W15V Model Generating ± output by 2 units connection.  • Depending on the model, internal circuits may be damaged due to startup failure when the power is turned ON if loads such as a servomotor or operational amplifier may operate in series. Therefore, connect bypass diodes (D1, D2) as shown in the following figure. If the list of models that support series connection of outputs says that an external diode is not required, an external diode is also not required for positive/negative outputs.  • Use the following information as a guide to the diode type, dialectic strength, and current. Type: Schottky Barrier diode Dielectric strength (V_{RRM}): Twice the output voltage or above Forward current (I_F): Twice the rated output current or above

[Characteristics]

Item	Product discontinuation Model S82S series	Recommendable replacement Model S8VS and S8FS-G series
Derating Curves	3W (5V, 12V, 15V, 24V) Models 7.5W (5V,12V,15V, 24V,±12V, ±15V) Models  **Note:** The derating curve depends on the mounting direction of the Power Supply  Standard Mounting Face-up Mounting	S8VS series 15W (5V, 12V, 24V) Models  *1 Standard mounting *2 Face-up mounting *3 Horizontal mounting S8FS-G series 15W15V Model  **Note: 1.** (For customers using the unit with an AC input) At a voltage below 100 VAC, reduce the load below the range of the derating curve shown above by the solid line, at the rate of 1.3%/V.s (40°C < Ambient temperature ≤ 70°C) **2.** (For customers using the unit with a DC input) At a voltage below 100 VDC, reduce the load below the range of the derating curve shown above by the dashed line, by multiplying with the coefficient 0.9.

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.