

OMRON

MODEL S8VS(480W)

SWITCHING POWER SUPPLY

EN INSTRUCTION MANUAL

DE Bedienungsanleitung

FR Manuel d'instructions

Thank you for purchasing the S8VS-48024□-□. This Instruction Manual describes the functions, performance, and application methods required to use the S8VS-48024□-□.

• Make sure that a specialist with electric knowledge operates the S8VS-48024□-□.

• Read and understand this Instruction Manual, and use the product with enough understanding.

Keep this Instruction Manual close at hand and use it for reference during operation.

When using S8VS-48024A-□ or S8VS-48024B-□, read the "S8VS Operation Manual" together without fail.

Herzlichen Glückwunsch zum Kauf des S8VS-48024□-□. Diese Bedienungsanleitung beschreibt die Funktionen, Leistungen und Anwendungsmethoden, die für den Betrieb des S8VS-48024□-□ erforderlich sind.

• Vergewissern Sie sich, dass das S8VS-48024□-□ von Elektrofachleuten bedient wird.

• Lesen Sie diese Bedienungsanleitung sorgfältig durch und vergewissern Sie sich vor dem Betrieb, alles verstanden zu haben.

Heben Sie die Bedienungsanleitung griffbereit auf und nutzen Sie sie während des Betriebs als Referenz.

Bei Verwendung der Ausführung mit S8VS-48024A-□ oder S8VS-48024B-□ muss der Abschnitt "S8VS Bedienungsanleitung" vollständig gelesen werden.

Nous vous remercions d'avoir fait l'acquisition de la S8VS-48024□-□. Ce manuel d'instructions apporte une description des fonctions, des performances et des méthodes d'application nécessaires à son utilisation.

• Assurez-vous qu'un spécialiste ayant une bonne connaissance de l'électricité soit chargé de sa manipulation.

• Veillez lire attentivement ce manuel d'instructions et vous assurer d'avoir bien compris le fonctionnement de l'appareil avant de l'utiliser.

Gardez ce manuel à portée de main et utilisez-le comme référence pendant son utilisation.

Lorsque vous utilisez "S8VS-48024A-□" ou "S8VS-48024B-□", lisez absolument le "Manuel d'utilisation S8VS" aussi.

OMRON Corporation

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Key to Warning Symbols

CAUTION 若未能正確使用產品，危險時恐怕會造成輕度、中等程度或物質上的損害。

輸入額定電壓: 100-240 V~, 50/60Hz

輸入額定電流: 7.4 A

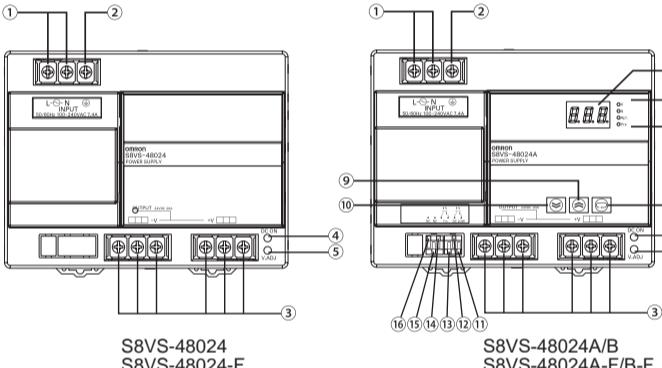
輸出額定電壓: 24 VDC

輸出額定電流: 20 A

警告使用者

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾。在這種情況下，使用者會被要求採取某些適當的對策。

Fig. 1 Nomenclature / Bezeichnungen / Nomenclature



These diagrams are S8VS-48024/48024A. / Diese Diagramme entsprechen S8VS-48024/48024A. / Ces schémas concernent la série S8VS-48024/48024A.

EN Precautions for Correct Use

■ Mounting Direction

Standard Mounting (Fig.2) Valid

Horizontal Mounting (Fig.3) Invalid

Others Mounting Invalid

Mounting Space

Install the power supply so that the air flow circulates around the power supply, as the power supply is designed to radiate heat by means of natural air flow.

* 1 Direction of air circulation

* 2 75 (mm) or more

* 3 75 (mm) or more

* 4 20 (mm) or more

■ Deringing Curve

* 5 Under reduced voltage conditions : 85 to 95 VAC

* 6 Normal operating voltage : 100 to 240 VAC

(Voltage tolerance : 95 to 264 VAC)

Notes:

1.If natural air circulation is limited, use forced air cooling to prevent overheating.

2.The peripheral temperature is specified at the place 50 mm downward from the main body of the power supply.

3.In the case of reducing the upper and lower attacking space to under 75mm, use the power supply applying the derating curve (Fig.5) with the curve lowered by 1°C for every 5mm of reducing space.

■ Input Voltage Tolerance

85 to 264 VAC

■ Parallel Operation

The product is not designed for parallel operation.

■ Output Voltage Adjustment

Default Setting: Set at the rated voltage

Adjustable Range: Adjustable with "V.ADJ" (⑤) on the front surface of the product from -10% to +15% of the rated output voltage.

Turning clockwise increases the output voltage, and turning counterclockwise decreases the output voltage.

Notes:

1.If the output voltage is adjusted to less than 20V (factory setting), the undervoltage alarm function may be activated. (Only for S8VS-48024A-□/B-□)

2.Do not exceed the rated output capacity and current after adjusting the output voltage.

3.The output voltage may increase beyond the allowable voltage range when the operation is performed for "V.ADJ" (⑤). When adjusting the output voltage, check the output voltage of the power supply and be sure that the load is not destroyed.

■ Dielectric Strength Test

Rated dielectric strength:

3000VAC between input terminals ① together > and output terminals ③, ④, ⑫, ⑬, ⑭ together > for 1 minute.

When testing, set the cutoff current for the withstand voltage test device to 20mA.

Notes:

1.Sudden switching of 3000VAC may possibly cause a voltage surge, damaging the power supply. Increase/decrease test voltage gradually.

2.Be sure to short-circuit all the output terminals and the Alarm output terminals of the power supply to protect the power supply from damage.

■ Isolation Resistance Test

When testing the insulation resistance of the power supply, use a DC ohmmeter at 500 VDC.

Note:

Be sure to short-circuit all the output terminals and the Alarm output terminals of the power supply to protect the power supply from damage.

■ Derating Curve

When testing, set the cutoff current for the withstand voltage test device to 20mA.

Notes:

1.Sudden switching of 3000VAC may possibly cause a voltage surge, damaging the power supply. Increase/decrease test voltage gradually.

2.Be sure to short-circuit all the output terminals and the Alarm output terminals of the power supply to protect the power supply from damage.

■ Protection Resistance Test

When testing the insulation resistance of the power supply, use a DC ohmmeter at 500 VDC.

Note:

Be sure to short-circuit all the output terminals and the Alarm output terminals of the power supply to protect the power supply from damage.

■ Contact address

OMRON ELECTRONICS LLC

Phone: 1-800-55-OMRON

Fax : 1-847-843-7900

Fax : 1-847-843-7787

OMRON ELECTRONICS LTD.

Phone: 44-1908-258-258

Fax : 44-1908-258-158

OMRON ELECTRONICS S.A.S.

Phone: 1-416-286-6465

Fax : 1-416-286-6648

UNITED KINGDOM

OMRON ELECTRONICS LTD.

Phone: 44-1908-258-258

Fax : 44-1908-258-158

IMPORTER 台湾歐姆龍股份有限公司

地址：台灣 台北市復興北路363號6樓

TEL : 02-2715-3331

THE NETHERLANDS

OMRON Europe B.V.

Wegalaan 67-69, 2132 JD Hoofddorp,

The Netherlands

Phone: 31-23-56-81-300

Fax : 31-23-56-81-388

Web site : http://industrial.omron.eu/

GERMANY

OMRON ELECTRONICS G.m.b.H.

Phone: 49-2173-6800-0

Fax : 49-2173-6800-400

FRANCE

OMRON ELECTRONICS S.A.S.

Phone: 0-825 825 679

Fax : 33-1-4855-9086

ITALY

OMRON ITALIA S.p.A.

Phone: 0-2-20-50-00-00

Fax : 0-2-20-50-00-01

SPAIN

OMRON SPAIN S.L.

Phone: 34-91-55-00-00

Fax : 34-91-55-00-01

PORTUGAL

OMRON PORTUGAL S.A.

Phone: 351-21-78-00-00

Fax : 351-21-78-00-01

NETHERLANDS

OMRON NEDERLAND B.V.

Phone: 31-20-48-00-00

Fax : 31-20-48-00-01

SWEDEN

OMRON SWEDEN AB

Phone: 46-8-55-00-00

Fax : 46-8-55-00-01

DENMARK

OMRON DENMARK A/S

Phone: 45-46-40-00-00

Fax : 45-46-40-00-01

AUSTRIA

OMRON AUSTRIA GMBH

Phone: 43-1-88-88-88-00

Fax : 43-1-88-88-88-88

ROMANIA

OMRON ROMANIA SRL

Phone: 40-2-20-00-00-00

Fax : 40-2-20-00-00-01

CROATIA

OMRON CROATIA D.O.O.

Phone: 385-1-20-00-00-00

Fax : 385-1-20-00-00-01

ARMENIA

