



## 安規證書

料號 :  
Model Name : DR-090-B12AB,DR-090-B48AB,DR-090-B24AB,DR-120-B48AB,DR-120-B24AB,DR-120-B12AB  
版次 : 01  
文件編號 : SFD-00002798  
作者 : zoedai/戴淑慧(FSP)  
Model No/Type : DR-090-B12AB,DR-090-B48AB,DR-090-B24AB,DR-120-B48AB,DR-120-B24AB,DR-120-B12AB  
SFA NO. : SFA17111042  
Trade mark : -  
安規種類 : cCSAus/工業軌道控制類(UL61010-1+UL61010-2-201)  
發行日期 : 2018/11/28 20:13:08  
備註 : 新增



# Certificate of Compliance

**Certificate:** 70201988

**Master Contract:** 188668

**Project:** 70201988

**Date Issued:** 2018-11-28

**Issued to:** FSP Group Inc.  
No. 22 Jianguo E Rd.,  
Taoyuan City, 330  
TAIWAN

**Attention:** Mr. Mike Lin

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only*



**Issued by:**

*Edwin Chao*  
Edwin Chao

## **PRODUCTS**

CLASS 2252 06 - PROCESS CONTROL EQUIPMENT

CLASS 2252 86 - PROCESS CONTROL EQUIPMENT-CERTIFIED TO US STANDARDS

DIN-Rail Switching Power Supply, Class I (Grounded), Single phase powered. Models and rating as follow;

Model	AC Input	DC Output
DR-090-B12AB	100-240 VAC; 2.0-1.0 A; 60-50Hz	12 V dc @ 7.5 A, Maximum 90 Watts
DR-090-B24AB		24 V dc @ 3.75 A, Maximum 90 Watts
DR-090-B48AB		48 V dc @ 1.875 A, Maximum 90 Watts
DR-120-B12AB	100-240 VAC; 2.5-1.2 A; 60-50Hz	12 V dc @ 10 A, Maximum 120 Watts
DR-120-B24AB		24 V dc @ 5 A, Maximum 120 Watts
DR-120-B48AB		48 V dc @ 2.5 A, Maximum 120 Watts



**Certificate:** 70201988

**Master Contract:** 188668

**Project:** 70201988

**Date Issued:** 2018-11-28

**Notes:**

1. The above model is permanently connected, Equipment Class I, Pollution Degree 2, Overvoltage Category II.
2. Mode of operation: Continuous Duty cycle
3. Environmental Conditions: Normal: 5,000 m maximum, Operating Temperature: Maximum -10 up to 55°C, Humidity: 10 % up to 90 % R.H. (non-condensing).

**CONDITIONS OF ACCEPTABILITY**

General	Installation wiring	The equipment is to be installed using wiring of type and size suitable for the country where the equipment is intended to be used.  Equipment shall be connected with copper wires only, with a temperature rating of at least 90°C.
5.4.3a)	Equipment installation	Supply and field wiring requirements have to be realized according to the installation instructions  Equipment has been tested for vertical installation, the input terminals at the bottom and the output on the top.  Equipment shall be installed with the following clearance to other devices: 5mm left and right. 40 mm above and 20 mm below. Additionally, 100 mm min clearance to any heat source.
6.3.1, 6.3.2	Accessible limits in normal and single fault condition	The equipment is an open type power supply intended for permanent installation to be provided with appropriate enclosure in the final installation. No accessible part is expected in normal use.
8	Resistance to mechanical stress	The equipment is an open type power supply, intended to be installed within another enclosure in the end product which supplies the safety aspects protecting the operator from mechanical hazard.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 61010-1-12	-	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
CAN/CSA 61010-2-201-14	-	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-201: Particular requirements for control equipment
ANSI/UL 61010-1-2012 (3 <sup>rd</sup> Edition)	-	Safety Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements
UL 61010-2-201, First Edition	-	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-201: Particular requirements for control equipment



## *Supplement to Certificate of Compliance*

**Certificate:** 70201988

**Master Contract:** 188668

*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70201988	2018-11-28	Original certification for DIN-Rail Switching Power Supply, Model nos. DR-090-B12AB, DR-090-B24AB, DR-090-B48AB, DR-120-B12AB, DR120-B24AB, DR-120-B48AB, based on CB report number CB 188688-70201987/ CB certificate CA/22205/CSA and CA/22206/CSA.