



# Certificate of Compliance

**Certificate:** 2238308 (LR 95515)

**Master Contract:** 182790

**Project:** 2238308

**Date Issued:** 2009/12/15

**Issued to:** PULS GmbH

Arabellastr. 15  
Munich, 81925  
Germany

Attention: Michaela Zielke

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



Wesley Van Hill, C.E.T.

Issued by: Wesley Van Hill, C.E.T.

## **PRODUCTS**

**CLASS 5318 01** - POWER SUPPLIES - For Hazardous Locations

**CLASS 5318 81** - POWER SUPPLIES - For Hazardous Locations - Certified to U.S. Standards

### **Class I, Division 2, Groups A, B, C and D**

Din Rail Component type switching mode power supply, class I

Models: CS3.241, CS5.241, CS5.241-S1, CS5.243, CS5.244, CS10.241, CS10.241-S1, CS10.242, CS10.243, CS10.244, CS10.481; Temperature code T3

### **Ratings:**

#### **CS3.241**

Input: 100-240Vac; 50-60Hz; 1.4A

Output: 24-28Vdc; 3.3-2.7A (-25°C ≤ Ta ≤ 60°C)

#### **CS5.241**

Input: 100-120Vac/200-240Vac; 50-60Hz; 2.6-1.4A



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Output 24-28Vdc; 6-5.1A (-25°C<=Ta >=45°C); 5-4.3A (-25°C<=Ta >=60°C)

**CS5.241-S1**

Input: 100-120Vac/200-240Vac; 50-60Hz; 2.6-1.4A

Output: 24-28Vdc; 6-5.1A (-25°C<=Ta >=45°C); 5-4.3A (-25°C<=Ta >=60°C)

**CS5.243**

Input: 100-120Vac; 50-60Hz; 2.6A

Output: 24-28Vdc; 6-5.1A (-10°C<=Ta >=45°C); 5-4.3A (-10°C<=Ta >=60°C)

**CS5.244**

Input: 200-240Vac; 50-60Hz; 1.4A

Output: 24-28Vdc; 6-5.1A (-10°C<=Ta >=45°C); 5-4.3A (-10°C<=Ta >=60°C)

**CS10.241**

Input: 100-120Vac/200-240Vac; 50-60Hz; 5.0-2.7A

Output: 24-28Vdc; 12-10.3A (-25°C<=Ta >=45°C); 10-8.6A (-25°C<=Ta >=60°C)

**CS10.241-S1**

Input: 100-120Vac/200-240Vac; 50-60Hz; 5.0-2.7A

Output: 24-28Vdc; 12-10.3A (-25°C<=Ta >=45°C); 10-8.6A (-25°C<=Ta >=60°C)

**CS10.242**

Input: 100-120Vac/200-240Vac; 50-60Hz; 5.0-2.4A

Output: 24-28Vdc; 12-10.3A (-25°C<=Ta >=45°C); 10-8.6A (-25°C<=Ta >=60°C)



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### **CS10.243**

Input: 100-120Vac; 50-60Hz; 5A

Output: 24-28Vdc; 12-10.3A ( $0^{\circ}\text{C} \leq T_a \leq 45^{\circ}\text{C}$ ); 10-8.6A ( $0^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$ )

### **CS10.244**

Input: 200-240Vac; 50-60Hz; 2.7A

Output: 24-28Vdc; 12-10.3A ( $0^{\circ}\text{C} \leq T_a \leq 45^{\circ}\text{C}$ ); 10-8.6A ( $0^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$ )

### **CS10.481**

Input: 100-120Vac/200-240Vac; 50-60Hz; 5.0-2.7A

Output: 48-52Vdc; 6-5.5A ( $-25^{\circ}\text{C} \leq T_a \leq 45^{\circ}\text{C}$ ); 5-4.6A ( $-25^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$ )

### **Conditions of Certification:**

- Units were evaluated as components where the suitability of the combination must be determined in the end use product by the local authority having jurisdiction.
- A suitable mechanical, electrical and fire enclosure must be provided for the end product

### **APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No. 0-M1991 - General Requirements - Canadian Electrical Code Part II

CAN/CSA-C22.2 No. 60950-1-03 - Information Technology Equipment – Safety – Part 1: General Requirements.

CSA-C22.2 No. 107.1-01 - General Use Power Supplies

CSA Standard C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

UL Std. 60950-1 (1st Edition) - Information Technology Equipment – Safety – Part 1: General Requirements.

ANSI/ISA-12.12.01-2007 – Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations