



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