



Certificate of Compliance

Certificate: 70057137 (095515_0_000)

Master Contract: 182790

Project: 70057137

Date Issued: 2016-02-08

Issued to: PULS GmbH
Arabellastr. 15
Munich, 81925
GERMANY

Attention: Michael Raspotnig

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.



Issued by: Priya Mehandru
Priya Mehandru

PRODUCTS

CLASS - C531801 - POWER SUPPLIES-For Hazardous Locations

CLASS - C531881 - POWER SUPPLIES-For Hazardous Locations - Certified to U.S. Standards

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Power Supply series CD5

Class I, Division 2, Groups A, B, C and D; Temperature class T4:

CD5.121

Input: DC 24V (-25%/+35%), 5.6A

Output: DC 12-15V / 9.6 – 7.7 A, (below +45°C)

DC 12-15V / 8.0 – 6.4 A, (at +60° C)

DC 12-15V / 6.0 – 4.8 A, (at +70° C)

Derate linearly between +45°C and +70°C

CD5.241 and CD5.241-S1:

Input: DC 24V (-25%/+35%), 7.0A

Output: DC 24 – 28V / 6.0 – 5.1 A (below +45°C)

DC 24 – 28V / 5.0 – 4.3 A (at +60°C)



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DC 24 – 28V / 3.8 – 3.2 A (at +70°C)
Derate linearly between +45°C and +70°C

CD5.241-L1

Input: DC 24V (-40%/+35%), 5.5A

Output: DC 24V, 3.8A, -25 to +70°C

CD5.242

Input: DC 48V ($\pm 25\%$), 3.5A

Output: DC 24 – 28V/ 6.0 – 5.1 A (below +45°C)

DC 24 – 28V/ 5 – 4.3 A (at +60°C)

DC 24 – 28V/ 3.8 – 3.2 A (at 70°C)

Derate linearly between +45°C and +70°C

CD5.243

Input: DC 12 V (-100% / +35%), 12A

Output: DC 24 – 28V, 4.8 – 4.1 A (below +45°C)

DC 24 – 28V, 4.0 – 3.4 A (at+ 60°C)

DC 24 – 28V, 3.0 – 2.6 A (at +70°C)

Input: DC 12V (-30%), 12 A

Output: DC 24 – 28V, 4.0 – 3.4A (below +45°C)

DC 24 – 28V, 3.2 – 2.7A (at +60°C)

DC 24 – 28V, 2.4 – 2.1A (at 70°C)

Derate linearly between +45°C and + 70°C

CD5.121:

Input: DC 24 V (-25% / +35%), 5.6A

Output: DC 12 – 15 V/ 8.0 – 6.4A, -25 to +60°C

DC 12 – 15 V/ 9.6 – 7.7A, -25 to +45°C

Power Supply series CP10

Class I, Division 2, Groups A, B, C and D; Temperature class T4:

CP10.121

Input: AC 100-240V (-15%/+10%), 2.6-1.1A 50-60Hz

DC 110-150V ($\pm 20\%$), 2.4-1.7A

Output: DC 12-15V

19.2 – 15.4A (below +45°C)

16.0 – 12.8A (at +60°C)

12.0 – 9.6A(at +70°C)

Derate linearly between +45°C and +70°C

Ambient Temperature range: -25°C to +70°C

CP10.241

Input: AC 100-240V (-15%/+10%) 3.3-1.4A, 50-60Hz

DC 110-150V ($\pm 20\%$), 3.0-2.2A



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Output: DC 24-28V

12 – 10.3A (below +45°C)

10 – 8.6A (at +60°C)

7.5 – 6.5A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient Temperature range: -25°C to +70°C

CP10.241-S1

Input: AC 100-240V (-15%/+10%) 3.3-1.4A, 50-60Hz

DC 110-150V (±20%), 3.0-2.2A

Output: DC 24-28V

12 – 10.3A (below +45°C)

10 – 8.6A (at +60°C)

7.5 – 6.5A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient Temperature range: -25°C to +70°C

CP10.242

Input: AC 100-240V (-15%/+10%) 3.3-1.4A, 50-60Hz

DC 110-300V (±20%), 3.0-1.1A

Output: DC 24-28V

12 – 10.3A (below +45°C)

10 – 8.6A (at +60°C)

7.5 – 6.5A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient Temperature range: -25°C to +70°C

CP10.361

Input: AC 100-240V (-15%/+10%) 3.3-1.4A, 50-60Hz

DC 110-150V (±20%), 3.0-2.2A

Output: DC 36 – 42V

8.0 – 6.9A (below +45°C)

6.7 – 5.7A (at +60°C)

5.0 – 4.3A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient Temperature range: -25°C to +70°C

CP10.481 (the maximum output current varies depending on the supply voltage tolerances)

Input: AC 100-240V (-15%/+10%) 3.3-1.4A, 50-60Hz

Output: DC 48 – 56V

6.0 – 5.2A (below +45°C)

5.4 – 4.6A (at +60°C)

4.0 – 3.4A (at +70°C)

Input: DC 110-150V (-15%/+20%), 3.0-2.2A

Output: DC 48-56V

6.0 – 5.2A (below +45°C)



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5.4 – 4.6A (at +60°C)

4.0 – 3.4A (at +70°C)

Input: DC 110-150V ($\pm 20\%$), 3.0-2.2A

Output: DC 48-56V

6.0 – 5.2A (below +45°C)

5.0 – 4.3A (at +60°C)

3.8 – 3.2A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient Temperature range: -25°C to +70°C

Conditions of Certification:

- The equipment's controls and switches shall not be used in areas with explosive atmospheres.
- The equipment is evaluated as a component where the suitability for use must be determined by the local authority having jurisdiction in the end use application.
- The equipment shall be installed in a suitable mechanical, electrical and fire enclosure for the end product which provides a minimum protection of IP54 and can only be opened with the use of a tool.
- De-rating conditions must be considered for high ambient temperatures and non-standard mounting orientations.



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APPLICABLE REQUIREMENTS

C22.2 No. 213-M1987

Non incendive electrical equipment for use in class I, division 2 hazardous locations

ANSI/ISA 12.12.01 – 2015

Non incendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

C22.2 No. 60950-1-07 AMD 2

Information technology equipment – Safety – Part 1: General Requirements

UL 60950-1, 2nd Edition

UL Standard for Safety Information Technology Equipment – Safety – Part 1: General Requirements

MARKINGS

See certification report for complete details.



Supplement to Certificate of Compliance

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

Product Certification History

Project	Date	Description
70057137	2016-02-08	New North American Certification for Model CP10 Series and CD5 Series rated for Class 1 Div 2 Grps ABCD based on complete test data and results from IECEx test reports DE/EPS/ExTR14.0001/01 & DE/EPS/ExTR15.0077/00.