



Certificate of Compliance

Certificate: 2646346

Master Contract: 182790

Project: 2646346

Date Issued: September 13, 2013

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.



Nicholas Cameron

Issued by: Nicholas Cameron

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

Ex nA nC IIC T3 Gc

Class I, Zone 2, AEx nA nC IIC T3 Gc

CPS-Series Power Supplies: CPS20.241, CPS20.121, CPS20.361, CPS20.481, CPS20.241D1, and CPS20.481-D1

CPS20.241:

Input 100-240V; 50-60Hz; 6,4-2,7A

Output 24-28Vdc; 20,0-17,1A (max. 60°C ambient)

24-28Vdc; 24,0-20,6A (max. 45°C ambient)



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CPS20.121:

Input 100-240V; 50-60Hz; 4,9-2,2A

Output 12-15Vdc; 30A (max. 60°C ambient)

CPS20.361:

Input 100-240V; 50-60Hz; 6,4-2,7A

Output 36-42Vdc; 13,3-11,4A (max. 60°C ambient)

36-42Vdc; 16,0-13,7A (max. 45°C ambient)

CPS20.481:

Input 100-240V; 50-60Hz; 6,4-2,7A

Output 48-56Vdc; 10,0-8,6A (max. 60°C ambient)

48-56Vdc; 12,0-10,3A (max. 45°C ambient)

CPS20.241-D1:

Input 110-300Vdc; 6,2-2,3A

Output 24-28Vdc; 20,0-17,1A (max. 60°C ambient)

24-28Vdc; 24,0-20,6A (max. 45°C ambient)

CPS20.481-D1:

Input 110-300Vdc; 6,2-2,3A

Output 48-56Vdc; 10,0-8,6A (max. 60°C ambient)

48-56Vdc; 12,0-10,3A (max. 45°C ambient)



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

Ex nA IIC T3 Gc

Class I, Zone 2, AEx nA IIC T3 Gc

SLA-Series Power Supplies: SLA3.100

SLA3.100:

Input 100-120/220-240V; 50-60Hz; 2,0/0,9A

Output 30,5V; 2,8A

Notes:

Part Number Suffixes Applicable to all Models

-C1 Designates Optional Coating of PCB.

- The CPS20.xxx power supplies are intended for universal use, the SLA3.100 is specially made to supply the AS-Interface field bus system. The output of the SLA3.100 power supply is inductive and is not suitable for other applications.

- Additionally the equipment was tested for 70°C ambient temperature with output power derating for temperature class T3. This ambient temperature is not marked on the equipment as nominal value. The output is limited to the following values at temperatures > 60°C.

Conditions of Certification

The Power Supply must be installed in an IP54 enclosure or cabinet in the final installation. The enclosure / cabinet must comply with the requirements of EN 60079-15:2010 and/or IEC 60079-15 – Edition 4.



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60950-1-07 +Am1 - Information Technology Equipment – Safety – Part 1: General Requirements

CSA Standard C22.2 No. 0-10 - General Requirements - Canadian Electrical Code Part II

CSA Standard C22.2 No.0.4 - (R2009) - Bonding of Electrical Equipment

CSA Standard C22.2 No. 142 - (R2009) - Process Control Equipment

CSA Standard C22.2 No. 213 - (R2013) - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

CAN/CSA-60079-0-11 - Electrical apparatus for explosive gas atmospheres; Part 0: General requirements

C22.2 No 60079-15:12 - Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection “n” electrical apparatus

ANSI/UL 60950-1 (2nd Edition) + Am1 - Information Technology Equipment – Safety – Part 1: General Requirements

ANSI/ISA–12.12.01–2012 - Non-Incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

UL Standard 50, 11th Edition - Enclosures for Electrical Equipment

UL Standard 508, 17th Edition - Electric Industrial Control Equipment

UL 60079-0, 5th Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements

UL 60079-15, 4th Edition - Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection “n” electrical apparatus



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 |
|----------------|--------------|--|
| 2646346 | Sep 13, 2013 | New cCSAus certification for Power Supply models SLA3.100, CPS20.241, CPS20.361, CPS20.481 for C1D2 & C1Z2 based on IECEx ExTR and certification with US/CA national deviations. |