



# Certificate of Compliance

**Certificate:** 2532402

**Master Contract:** 182790

**Project:** 70027513

**Date Issued:** April 13, 2015

**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.*



*Jihan Gunaratne*

**Issued by:** Jihan Gunaratne

## **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**

CT-Series Power Supplies: CT5.121, CT5.241, CT10.241, CT10.481

QT-Series Power Supplies: QT20.241, QT20.361, QT20.481, QT40.241, QT40.481

Temperature Class T4: CT5.241, CT10.481, QT20.241, QT20.481

Temperature Class T3: CT5.121, CT10.241, QT20.361, QT40.241, QT40.481

Power Supply (2 and 3-phase, built-in, DIN rail), Ambient Temperature -25° C to +45/+60° C, and Temperature Code T3/T4 Rated:



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Model No.	Input Voltage (V)	Input current (A)	Input Frequency (Hz)	Output Voltage (V)	Output Current (A at xx°C Ambient)
CT5.121	2 x 380-480Vac	0,70	50-60Hz	12 – 15	8,0 – 6,4 (60°C)
CT5.241	2 x 380-480Vac	0,90	50-60Hz	24 – 28	5,0 – 4,3 (60°C) 6,0 – 5,1 (45°C)
CT10.241	3 x 380-480Vac	0,90	50-60Hz	24 – 28	10,0 – 8,6 (60°C) 12,0 – 10,3 (45°C)
CT10.481	3 x 380-480Vac	0,90	50-60Hz	48 – 56	5,0 – 4,3 (60°C) 6,0 – 5,2 (45°C)
QT20.241	3 x 380-480Vac	0,90 - 0,65	50-60Hz	24 – 28	20,0 – 17,0 (60°C)
QT20.361	3 x 380-480Vac	0,90 - 0,65	50-60Hz	36 – 42	13,3 – 11,4 (60°C)
QT20.481	3 x 380-480Vac	0,90 - 0,65	50-60Hz	48 – 55	10,0 – 8,7 (60°C)
QT40.241	3 x 380-480Vac	1,80 – 1,30	50-60Hz	24 – 28	40,0 – 34,3 (60°C)
QT40.481	3 x 380-480Vac	1,80 – 1,30	50-60Hz	48 – 54	20,0 – 27,8 (60°C)

**Part Number Suffixes Applicable to all Models**

- A1 Designates 1 layers of conformal coating are applied for environmental purposes not related to safety.
- C1 Designates 2 layer of conformal coating are applied for environmental purposes not related to safety.

**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 CAN/CSA E60079-15:2010.



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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-M2004 - Bonding of Electrical Equipment

CSA Standard C22.2 No. 142-M1987 - Process Control Equipment

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

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

ANSI/ISA–12.12.01–2011 - Non-Incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70027513	Apr 13, 2015	Report 2532402 update include minor modification of the CT10 models due to manufacturing reasons and the table of Manufacturers Documents has been updated.
2532402	Jun 29, 2012	CSAc-us Certification of CT and QT Series Power Supplies for Class I, Division 2, Groups ABCD. As per ATEX Report and UL Ordinary Locations Report.