



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx EPS 17.0046X Issue No: 0 Certificate history:  
Issue No. 0 (2017-10-24)

Status: **Current**

Date of Issue: **2017-10-24** Page 1 of 3

Applicant: **PULS GmbH**  
Elektrastr. 6, 81925 Muenchen  
Germany

Equipment: **Power supply CP20.241-xx**  
*Optional accessory:*

Type of Protection: **ec nC**

Marking:  
Ex ec nC IIC T4 Gc

*Approved for issue on behalf of the IECEx  
Certification Body:*

Holger Schaffer

*Position:*

Certification Manager

*Signature:  
(for printed version)*

*Date:*

2017-10-24



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
Businesspark A96  
86842 Türkheim  
Germany





# IECEX Certificate of Conformity

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Manufacturer: PULS GmbH  
Elektrastr. 6, 81925 Muenchen  
Germany

Additional Manufacturing location(s):

**PULS Investicni s.r.o.**  
Prazska 5639  
43001 Chomutov  
Czech Republic

**PULS Electronics (Suzhou C) Co., Ltd**  
No. 1 Rui-en Lane Xingpu Road  
Suzhou Industrial Park, 21512 Suzhou City Jiang Su Province  
China

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

**STANDARDS:**

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-15 : 2010</b> Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
<b>IEC 60079-7 : 2015</b> Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

**TEST & ASSESSMENT REPORTS:**

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[DE/EPS/ExTR17.0048/00](#)

Quality Assessment Report:

[DE/EPS/QAR12.0010/06](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

CP20.241, CP20.241-S1, CP20.241-V1, CP20.241-R1, CP20.241-R2, CP20.241-R3, CP20.241-R2-72, CP20.241-R2-73

All models optional with suffix -C1 for conformal coated pc-boards

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CP20.241, CP20.241-S1, CP20.241-V1:

Input: AC 100 - 240 V (-15 % / +10 %); 6,3 - 2,7A; 50 - 60Hz DC 110 - 150 V ( $\pm 20$  %); 5,7 - 4,2 A

Output: DC 24 - 28 V; 24 - 20,6 A (below +45 °C); 20 - 17,2 A (at +60 °C); 15 - 13 A (at +70 °C)

Derate linearly between +45 °C and +70 °C Ambient temperature range: -25 °C to +70 °C

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CP20.241-R1, CP20.241-R2, CP20.241-R3, CP20.241-R2-72, CP20.241-R2-73:

Input: AC 100 - 240 V (-15 % / +10 %); 6,3 - 2,7 A; 50 - 60 Hz DC 110 - 150 V ( $\pm 20$  %); 5,7 - 4,2 A

Output: DC 24 V; 24 A (below +45 °C); 20 A (at +60 °C); 15 A (at +70 °C)

Derate linearly between +45 °C and +70 °C Ambient temperature range: -40 °C to +70 °C

### SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with IEC 60079-0
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1
- Ambient temperature range up to 70 °C; de-rating conditions must be considered
- Output power de-rating conditions for installation in non-standard mounting orientation must be considered