



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX EPS 19.0087X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2019-11-12)
Date of Issue: 2022-03-07
Applicant: **PULS GmbH**
Elektrastr. 6
81925 München
Germany
Equipment: **Power Supply (built-in); CP5.121, CP5.241, CP5.241-S1, CP5.241-S2, CP5.481**
Optional accessory: All models optional with suffix "-C1" or "-C2"
Type of Protection: **ec nC**
Marking: Ex ec nC IIC T4 Gc

Approved for issue on behalf of the IECEx
Certification Body:

Ulrich Feike

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2022-03-07

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 www.iecex.com or use of this QR Code.



Certificate issued by:

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





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Issue No: 1

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

Manufacturing
locations: **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 equipment 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

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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/ExTR19.0097/01](#)

Quality Assessment Report:

[DE/EPS/QAR12.0010/16](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Power supply (built in)

CP5.121: Input: AC 100-240V (-15%/+10%), 1.6-0.7A, 50-60Hz DC 110-150V (+/- 20 %), 1.4A Output: DC 12-15V, 12-9.6A (below +45 °C) DC 12-15V, 10-8.0A (at +60 °C) DC 12-15V, 7.5-6.0A (at +70 °C) Derate linearly between +45 °C and +70 °C Ambient temperature range: -25 °C to +70 °C	CP5.241, CP5.241-S1, CP5.241-S2: Input: AC 100-240V (-15%/+10%), 1.6-0.7A, 50-60Hz DC 110-150V (+/- 20 %), 1.4A Output: DC 24-28V, 6.0-5.1A (below +45 °C) DC 24-28V, 5.0-4.3A (at +60 °C) DC 24-28V, 3.8-3.2A (at +70 °C) Derate linearly between +45 °C and +70 °C Ambient temperature range: -25 °C to +70 °C	CP5.481: Input: AC 100-240V (-15%/+10%), 1.6-0.7A, 50-60Hz DC 110-150V (+/- 20 %), 1.4A Output: DC 48-56V, 3.0-2.6A (below +45 °C) DC 48-56V, 2.5-2.1A (at +60 °C) DC 48-56V, 1.9-1.6A (at +70 °C) Derate linearly between +45 °C and +70 °C Ambient temperature range: -25 °C to +70 °C
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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 is $-25\text{ °C} < T_{\text{amb}} < +70\text{ °C}$; derating conditions above +45 °C and different mounting orientations must be considered.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Update to current version of standards.

Non-standard mounting orientations added.