

## Certificate of Conformity

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**
- (3) Certificate Number

**EPS 09 ATEX 1 236 X**

**Revision 6**


- (4) Equipment: Power Supply (built-in):  
QS3.241-A1; QS5.241-A1; QS5.DNET-A1; QS10.121-A1; QS10.241-A1;  
QS10.301-A1; QS10.481-A1; QS10.DNET-A1; QS20.241-A1; QS20.244-A1;  
QS20.361-A1; QS20.481-A1
- (5) Manufacturer: PULS GmbH
- (6) Address: Elektrastr. 6  
81925 München  
Germany
- (7) This equipment and any acceptable variation thereto are specified in the annex to this Certificate of Conformity and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 09TH0448.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN IEC 60079-7:2015 + A1:2018**

**EN 60079-15:2010**

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.
- (11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

 II 3G Ex ec nC IIC T3 Gc  
II 3G Ex ec nC IIC T4 Gc

T3: QS10.481-A1; QS20.241-A1; QS20.361-A1; QS20.481-A1

T4: QS3.241-A1; QS5.241-A1; QS5.DNET-A1; QS10.121-A1; QS10.241-A1; QS10.301-A1; QS10.DNET-A1; QS20.244-A1



Certification department of explosion protection

Tuerkheim, 2022-07-15

Ulrich Feike

Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13)

## Annex

(14) **Certificate of Conformity EPS 09 ATEX 1 236 X**

**Revision 6**

(15) Description of equipment:

The QS-Series is a range of AC/DC power supplies, which is designed for installation in an enclosure or cabinet and is intended for the general use such as in industrial control, office, communication, and instrumentation equipment.

Revision 6: EN IEC 60079-7:2015/A1:2018 added.

Electrical data:

<p><u>QS3.241-A1</u> Input: 100-240 Vac   1.8-1.0 A   50-60 Hz Output: 24-28 Vdc   3.4-3.0 A (below +60 °C)</p>	<p><u>QS5.241-A1</u> Input: 100-240 Vac   1.4-0.65 A   50-60 Hz Output: 24-28 Vdc   5.0-4.5 A (below +60 °C)</p>
<p><u>QS5.DNET-A1</u> Input: 100-240 Vac   1.1-0.5 A   50-60 Hz Output: 24 Vdc   3.8 A (below +60 °C)</p>	<p><u>QS10.121-A1</u> Input: 100-240 Vac   2.1-0.9 A   50-60 Hz Output: 12-15 Vdc   15.0-12.0 A (below +60 °C)</p>
<p><u>QS10.241-A1</u> Input: 100-240 Vac   2.8-1.2 A   50-60 Hz Output: 24-28 Vdc   10.0-9.0 A (below +60 °C)</p>	<p><u>QS10.301-A1</u> Input: 100-240 Vac   2.8-1.2 A   50-60 Hz Output: 28-32 Vdc   8.6-7.5 A (below +60 °C)</p>
<p><u>QS10.481-A1</u> Input: 100-240 Vac   2.8-1.2 A   50-60 Hz Output: 48-56 Vdc   5.0-4.3 A (below +60 °C)</p>	<p><u>QS10.DNET-A1</u> Input: 100-240 Vac   2.3-1.0 A   50-60 Hz Output: 24-24.5 Vdc; 8.0 A (below +60 °C)</p>
<p><u>QS20.241-A1</u> Input: 100-240 Vac   5.4-2.4 A   50-60 Hz Output: 24-28 Vdc   20.0-17.1 A (below +60 °C)</p>	<p><u>QS20.244-A1</u> Input: 200-240 Vac   4.8A   50-60Hz Output: 24-28 Vdc   20.0-17.1 A (below +60 °C)</p>
<p><u>QS20.361-A1</u> Input: 100-240 Vac   5.4-2.4 A   50-60 Hz Output: 36-42 Vdc   13.3-11.4 A (below +60 °C)</p>	<p><u>QS20.481-A1</u> Input: 100-240 Vac   5.4-2.4 A   50-60 Hz Output: 48-55 Vdc   10.0-8.7 A (below +60 °C)</p>

(16) Reference number: 09TH0448



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**Revision 6**

(17) Special conditions for safe use:

- The equipment shall only be used in an area of at least pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with EN 60079-0.
- The equipment was tested for the standard operating conditions only (special operating conditions are allowed in non-hazardous areas only):
- The equipment shall be used in the standard mounting orientation only (input terminal on bottom / output terminal on top).
- The equipment shall be operated at max. +60 °C ambient temperature.
- The equipment shall be operated at the nominal a.c. input voltage range only (no d.c. input).

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2022-07-15



Ulrich Feike