

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 4

(4) Equipment: QS-Series: 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 Muenchen, Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this Certificate of Conformity and the documents 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 60079-0:2012 + A11:2013

EN 60079-7:2015

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 schedule 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 and supply of this equipment. 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 / T4 Gc



Certification department of explosion protection

H. Schaffer

Nuernberg, 2019-01-08

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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. EPS 09 ATEX 1 236 X, Revision 4.

(13)

Annexe

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

Revision 4

(15) Description of equipment:

Built-in power supply

Revision 1: update from EN 60079-0:2006 and EN 60079-15:2005 to EN 60079-0:2009 and EN 60079-15:2010

Revision 2: update from EN 60079-0:2009 to EN 60079-0:2012 + A11:2013

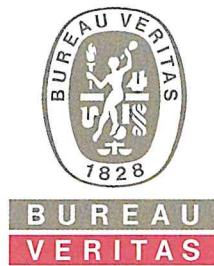
Revision 3: Minor product modification

Revision 4: type of protection "nA" changed to "ec"

Electrical data:

QS3.241-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 1.8-1A Output: 24Vdc 3.4-3A	T4
QS5.241-A1	Input: 100-240Vac -15% / $+10\%$ 50-60Hz 1.4-0.65A Output: 24Vdc 5-4.5A	T4
QS5.DNET-A1	Input: 100-240Vac -15% / $+10\%$ 50-60Hz 1.1-0.5A Output: 24Vdc 3.8A	T4
QS10.121-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 2.1-0.9A Output: 12-15Vdc 15-12A	T4
QS10.241-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 2.8-1.2A Output: 24-28Vdc 10-9A	T4
QS10.301-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 2.8-1.2A Output: 28-32Vdc 8.6-7.5A	T4
QS10.481-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 2.8-1.2A Output: 48-56Vdc 5-4.3A	T3
QS10.DNET-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 2.3-1.0A Output: 24-24.5Vdc 8A	T4
QS20.241-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 5.4-2.4A Output: 24-28Vdc 20-17.1A	T3
QS20.244-A1	Input: 200-240Vac $\pm 15\%$ 50-60Hz 4.8A Output: 24-28Vdc 20-17.1A	T4
QS20.361-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 5.4-2.4A Output: 36-42Vdc 13.3-11.4A	T3
QS20.481-A1	Input: 100-240Vac $\pm 15\%$ 50-60Hz 5.4-2.4A Output: 48-55Vdc 10-8.7A	T3

(16) Reference number: 09TH0448



(17) Schedule of Limitations:

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 standards.

Certification department of explosion protection

Nuernberg, 2019-01-08

