(1) # Certificate of Conformity

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Certificate Number:

EPS 14 ATEX 1 638 X **Revision 2**

(4) Equipment: QS40.241*, QS40.361*, QS40.481*, QS40.244-A1, QS40.484-A1
(*optional with suffix "-C1")

(5) Manufacturer: PULS GmbH

(6) Address: Arabellastr. 15, 81925 München, 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 14TH0029.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

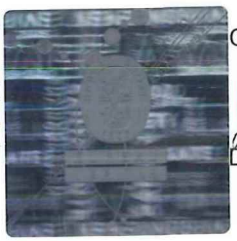
EN 60079-0:2012 + A11:2013 **EN 60079-15:2010**

(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 nA nC IIC T3 Gc II 3G Ex nA nC IIC T4 Gc



Certification department of explosion protection

D. Zitzmann

Nürnberg, 2016-09-08

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 14 ATEX 1 638 X, Revision 2.

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(13) # Annexe 1

(14) **Certificate of Conformity EPS 14 ATEX 1 638 X** **Revision 2**

(15) Description of equipment:

Power supply series with mains input and galvanically separated d.c. output voltage.
Revision 1: Minor product change and additional standard EN 60079-0/A11:2013
Revision 2: Extension of ambient temperature range from 60 °C to 70 °C.

T3: QS40.361, QS40.481
T4: QS40.241, QS40.244-A1, QS40.484-A1

Electrical data:

See Annexe 2

(16) Reference number: 14TH0029

(17) Schedule of Limitations:

The equipment shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with EN 60079-15. The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.

Output power de-rating conditions according to manufacturer's instructions must be considered for operation at ambient temperature > 60 °C.

(18) Essential health and safety requirements:

Met by standards.

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Annexe 2

Certificate of Conformity EPS 14 ATEX 1 638 X **Revision 2**

QS40.241
Input:
AC 100-240V, 11.2-4.6A, 50-60Hz
Output:
DC 24-28V, 40-34.3A (below +60°C)
DC 24-28V, 30-25.7A (at +70°C)

QS40.361
Input:
AC 100-240V, 11.2-4.6A, 50-60Hz
Output:
DC 36-42V, 26.7-22.9A (below +60°C)
DC 36-42V, 20-17.2A (at +70°C)

QS40.481
Input:
AC 100-240V, 11.2-4.6A, 50-60Hz
Output:
DC 48-54V, 20-17.8A (below +60°C)
DC 48-54V, 15-13.4A (at +70°C)

QS40.244-A1
Input:
AC 200-240V, 5.4A, 50-60Hz
Output:
DC 24-28V, 40-34.3A (below +60°C)
DC 24-28V, 30-25.7A (at +70°C)

QS40.484-A1
Input:
AC 200-240V, 5.4A, 50-60Hz
Output:
DC 48-54V, 20-17.8A (below +60°C)
DC 48-54V, 15-13.3A (at +70°C)

All models: Derate linearly between +60°C and +70°C

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