(1) # Certificate of Conformity

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

(3) Certificate Number:

EPS 12 ATEX 1 491 X **Revision 2**

(4) Equipment: CliQ series (see page 2)

(5) Manufacturer: Delta Electronics (Thailand) Public Co., Ltd.

(6) Address: 909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road, Tambol Phrasksa, Amphur Muang, Samutprakarn 10280, Thailand

(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 12TH0597.

(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 IIC T4 Gc

II 3G Ex nA nC IIC T4 Gc

(see page 2)

Certification department of explosion protection

H. Schaffer

Nuernberg, 2017-09-26

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(13) # Annexe

(14) **Certificate of Conformity EPS 12 ATEX 1 491 X** **Revision 2**

(15) Description of equipment:

The CliQ series is a power supply series for built-in use with 12V, 24V, or 48V output voltage and different power classes. The DRR-units are redundancy modules which are used to set up a system with redundant power supply for voltage supply with high reliability. The DRB-module is a buffer module which stores energy for bridging of short time interruptions of the supply voltage. Model DRP024V060W1NX is provided with Class 2 / LPS output. Rev. 2: alternate components tested

Electrical data:

Model	Input	Output	Type of protection
DRP012V015W1AX	100-240V; 50-60Hz; 0,4A	12Vdc; 1,25A (Adj. 11-14V, 15W max.)	nA
DRP012V030W1AX	100-240V; 50-60Hz; 0,8A	12Vdc; 2,5A (Adj. 11-14V, 30W max.)	nA
DRP012V060W1AX	100-240V; 50-60Hz; 1,5A	12Vdc; 5,0A (Adj. 11-14V, 60W max.)	nA
DRP012V100W1AX	100-240V; 50-60Hz; 2,5A	12Vdc; 8,33A (Adj. 11-14V, 100W max.)	nA
DRP024V060W1BX	100-240V; 50-60Hz; 1,5A	24Vdc; 2,5A (Adj. 24-28V, 60W max.)	nA nC
DRP024V120W1BX	100-240V; 50-60Hz; 2,5A	24Vdc; 5,0A (Adj. 24-28V, 120W max.)	nA nC
DRP024V240W1BX	100-240V; 50-60Hz; 3,5A	24Vdc; 10,0A (Adj. 24-28V, 240W max.)	nA nC
DRP024V480W1BX	100-240V; 50-60Hz; 6,0A	24Vdc; 20,0A (Adj. 24-28V, 480W max.)	nA nC
DRP048V060W1BX	100-240V; 50-60Hz; 1,5A	48Vdc; 1,25A (Adj. 48-56V, 60W max.)	nA nC
DRP048V120W1BX	100-240V; 50-60Hz; 2,5A	48Vdc; 2,5A (Adj. 48-56V, 120W max.)	nA nC
DRP048V240W1BX	100-240V; 50-60Hz; 3,5A	48Vdc; 5A (Adj. 48-56V, 240W max.)	nA nC
DRP048V480W1BX	100-240V; 50-60Hz; 6,0A	48Vdc; 10A (Adj. 48-56V, 480W max.)	nA nC
DRR-20X	22-60Vdc; 0-20A	Input –0,65Vdc; 20A	nA nC
DRR-40X	22-60Vdc; 0-40A	Input –0,65Vdc; 40A	nA nC
DRB-24V020ABX	24Vdc; 20A	24Vdc; 20A (250ms), 1A (5s)	nA
DRP024V060W1NX	100-240V; 50-60Hz; 1,5A	24Vdc; 2,5A (Adj. 24-28V, 60W max.)	nA nC
Suffix "X" may be any letter or digit, no safety relevant meaning			

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(16) Reference number: 12TH0597

(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 60079-15.

(18) Essential health and safety requirements:

Met by standards.

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