



**BUREAU  
VERITAS**



(1) **Certificate of Conformity**

(2) **Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC**

(3) **Certificate of Conformity Number:**

**EPS 15 ATEX 1 101 X**

**Revision 0**

(4) **Equipment:** CP10.121, CP10.241, CP10.241-S1, CP10.242, CP10.361, CP10.481  
(All models optional with suffix –C1)

(5) **Manufacturer:** PULS GmbH

(6) **Address:** Arabellastraße 15, 81925 München, Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate 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. The examination and test results are recorded in the confidential report 15TH0321.

(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.

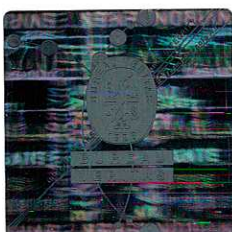
(11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

 II 3G Ex nA nC IIC T4 Gc

Certification department of explosion protection

Nürnberg, 2015-12-08



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Certificates without signature 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 15 ATEX 1 101 X, Revision 0.

(13)

## Annexe

(14) **Certificate of Conformity EPS 15 ATEX 1 101 X**

Revision 0

(15) Description of equipment:

Power supply series for built-in use

Electrical data:

See Attachment No. 1

(16) Test report: 15TH0321

(17) Special conditions for safe use:

- 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.

- Ambient temperature range -25°C to +70°C. De-rating conditions for ambient temperatures above 45°C and for non-standard mounting orientations must be considered.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Nürnberg, 2015-12-08





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## Attachment No. 1 for Certificate of Conformity EPS 15 ATEX 1 025 X Revision 0

### CP10.121

Input:

AC 100-240V (-15%/+10%), 2,6-1,1A, 50-60Hz

DC 110-150V ( $\pm 20\%$ ), 2,4-1,7A

Output:

DC 12-15V, 19,2-15,4A (below +45°C)

16,0-12,8A (at +60°C)

12,0-9,6A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient temperature range: -25°C to +70°C

### CP10.241

Input:

AC 100-240V (-15%/+10%), 3,3-1,4A, 50-60Hz

DC 110-150V ( $\pm 20\%$ ), 3,0-2,2A

Output:

DC 24-28V, 12-10,3A (below +45°C)

10-8,6A (at +60°C)

7,5-6,5A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient temperature range: -25°C to +70°C

### CP10.241-S1

Input:

AC 100-240V (-15%/+10%), 3,3-1,4A, 50-60Hz

DC 110-150V ( $\pm 20\%$ ), 3,0-2,2A

Output:

DC 24-28V, 12-10,3A (below +45°C)

10-8,6A (at +60°C)

7,5-6,5A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient temperature range: -25°C to +70°C

### CP10.242

Input:

AC 100-240V (-15%/+10%), 3,3-1,4A, 50-60Hz

DC 110-300V ( $\pm 20\%$ ), 3,0-1,1A

Output:

DC 24-28V, 12-10,3A (below +45°C)

10-8,6A (at +60°C)

7,5-6,5A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient temperature range: -25°C to +70°C





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## Attachment No. 1 for Certificate of Conformity EPS 15 ATEX 1 025 X Revision 0

### CP10.361

Input:

AC 100-240V (-15%/+10%), 3,3-1,4A, 50-60Hz

DC 110-150V (±20%), 3,0-2,2A

Output:

DC 36-42V,                    8,0-6,9A (below +45°C)  
                                      6,7-5,7A (at +60°C)  
                                      5,0-4,3A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient temperature range: -25°C to +70°C

### CP10.481

(The maximum output current varies depending on the supply voltage tolerances)

Input: AC 100-240V (±10%) 3,3-1,4A, 50-60Hz:

Output:

DC 48-56V,                    6,0-5,2A (below +45°C)  
                                      5,4-4,6A (at +60°C)  
                                      4,0-3,4A (at +70°C)

Input: DC 110-150V (-15%/+20%), 3,0-2,2A

Output:

DC 48-56V,                    6,0-5,2A (below +45°C)  
                                      5,4-4,6A (at +60°C)  
                                      4,0-3,4A (at +70°C)

Input: DC 110-150V (±20%), 3,0-2,2A

Output:

DC 48-56V,                    6,0-5,2A (below +45°C)  
                                      5,0-4,3A (at +60°C)  
                                      3,8-3,2A (at +70°C)

Derate linearly between +45°C and +70°C

Ambient temperature range: -25°C to +70°C

Mounting orientations:

Max. output power	Standard	90° clockwise (cw) rotated	90° counter clockwise (ccw) rotated	Upside down	Table top
CP10.121	192W at +60°C	108W at +60°C	108W at +60°C	132W at +60°C	108W at +60°C
CP10.241	240W at +60°C	144W at +60°C	144W at +60°C	168W at +60°C	144W at +60°C
CP10.242					
CP10.241-S1					
CP10.361	240W at +60°C	144W at +60°C	144W at +60°C	168W at +60°C	144W at +60°C
CP10.481	260W at +60°C	144W at +60°C	144W at +60°C	168W at +60°C	144W at +60°C