



**BUREAU
VERITAS**

(1) **EC-Certificate of Conformity**



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

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

EPS 09 ATEX 1 215 X

(4) **Equipment:** AC/DC power supplies type: PSG60E; PSG120E; PSG240E; PSG60F
PSG120F; PSG240F; PSG480F; PSG480E

(5) **Manufacturer:** Eaton Corporation

(6) **Address:** 4201 N 27th Street
Milwaukee, WI 53216
USA

(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 Product Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies, based on a voluntary testing, 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 09TH0220.

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

EN 60079-0:2006

EN 60079-15:2005

(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.

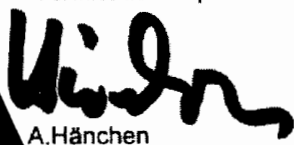
(11) This EC Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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



II 3G Ex nA IIC T4
II 3G Ex nAC IIC T4 (only PSG 480E)

Certification department of explosion protection,


A. Hänchen

Türkheim, December 1, 2009





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(13)

Annexe

(14) **EC-Certificate of Conformity EPS 09 ATEX 1 215 X**

(15) Description of equipment:

This power supply is designed for installation in an enclosure and is intended for the general use such as in industrial control, office, communication, and instrumentation equipment.

Electric data:

PSG60E

Input: 100-240Vac; 50-60 Hz; 1.5A
Operational: 90-264Vac / 120-375Vdc
Output: 24Vdc; 2.5A (22-28Vdc; max. 60W)
Ambient: $-20^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$

PSG120E

Input: 100-240Vac.; 50-60 Hz; 2A
Operational: 90-264Vac / 120-375Vdc
Output: 24Vdc; 5A (22-28Vdc; max. 120W)
Ambient: $-20^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$

PSG240E

Input: 100-240Vac; 50-60Hz; 5A
Operational: 90-264Vac / 120-375Vdc
Output: 24Vdc; 10A (22-28Vdc; max. 240W)
Ambient: $-20^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$

PSG60F

Input: 3 x 400-500Vac; 50-60Hz; 0.3A
Operational: 3 x 320-575Vac or 2 x 360-575Vac or 450-800Vdc
Output: 24Vdc; 2.5A (22-28Vdc; max. 60W)
Ambient: $-20^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$

PSG120F

Input: 3 x 400-500Vac, 50-60Hz, 0.5A
Operational: 3 x 320-575Vac or 2 x 360-575Vac or 450-800Vdc
Output: 24Vdc 5A (22-28Vdc; max.120W)
Ambient: $-20^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$



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PSG240F

Input: 3 x 400-500Vac; 50-60Hz, 0.8A
Operational: 3 x 320-575Vac or 2 x 360-575Vac or 450-800Vdc
Output: 24Vdc; 10A (22-28Vdc; max. 240W)
Ambient: $-20^{\circ}\text{C} \leq T_a \leq 75^{\circ}\text{C}$

PSG480F

Input: 3 x 400-500Vac; 50-60Hz; 1.4A
Operational: 3 x 320-575Vac or 2 x 380-575Vac or 450-800Vdc
Output: 24Vdc; 20A (22-28Vdc; max. 480W)
Ambient: $-20^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$

PSG480E

Input: 100-240Vac; 7A
Operational: 90-264Vac / 120-375Vdc
Output: 24Vdc; 20A (22-28Vdc; max 480W)
Ambient: $-20^{\circ}\text{C} \leq T_a \leq 80^{\circ}\text{C}$

- (16) Test report: 09TH0220
- (17) Special conditions for safe use:

The rated ambient temperature range deviates from $-20^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$. Therefore each Apparatus is marked with the respective temperature range on the type label. In this connection it must be considered that above an ambient temperature of $+50^{\circ}\text{C}$, the output rating must be derated according to manufacturers instructions.


The equipment must be built inside an enclosure with a minimum IP54 protection according to IEC 60529.

- (18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection,

Türkheim, December 1, 2009


A. Hänchen