



**BUREAU
VERITAS**



(1) **Certificate of Conformity**

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

(3) **Certificate Number:**

EPS 19 ATEX 1 201 X

Revision 0

(4) **Equipment:** Power supply (built-in):
PS2001-2405-0000

(5) **Manufacturer:** Beckhoff Automation GmbH & Co. KG

(6) **Address:** Hülshorstweg 20
33415 Verl
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 19TH0217.

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

EN IEC 60079-0:2018

EN 60079-7:2015 + A11:2018

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 T4 Gc

Certification department of explosion protection

Hamburg, 2020-06-15

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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 19 ATEX 1 201 X, Revision 0.



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Annexe

(13)

(14) **Certificate of Conformity EPS 19 ATEX 1 201 X**

Revision 0

(15) Description of equipment:

Power supply (built-in use)

Electrical data:

PS2001-2405-0000

Input:

AC 100-240 V^(-15%/+10%) | 1.6-0.7 A | 50-60 Hz

DC 110-150 V^(+/- 20 %) | 1.4 A

Output:

DC 24-28 V | 6.0-5.1 A (below +45 °C)

DC 24-28 V | 5.0-4.3 A (at +60 °C)

DC 24-28 V | 3.8-3.2 A (at +70 °C)

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

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

(16) Reference number: 19TH0217

(17) Schedule of Limitations:

- 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 shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- Use only in standard vertical mounting orientation with the input terminals on bottom of the unit.
- Ambient temperature range is $-25\text{ °C} < T_{\text{amb}} < +70\text{ °C}$; de-rating conditions above +45 °C must be considered.

(18) Essential health and safety requirements:

Met by standards.

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