

(1)

## Certificate of Conformity

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) Certificate Number

**EPS 10 ATEX 1 290 X**

**Revision 3**

- (4) Equipment: Power Supply (built-in):  
TSP240-124-3PAC400, TSP240-124-3PAC500, TSP480-124-3PAC400,  
TSP480-124-3PAC500, TSP960-124-3PAC400, TSP960-124-3PAC500
- (5) Manufacturer: Traco Power Solutions Ltd.
- (6) Address: Whitemill Industrial Estate  
Whitemill Road Wexford, Y35 YH66  
Ireland
- (7) This equipment and any acceptable variation thereto are specified in the annex to this Certificate of Conformity and the documentation 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 10TH0265.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

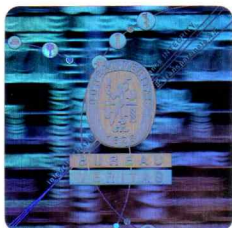
**EN IEC 60079-0:2018**

**EN 60079-7:2015 + A1:2018**

**EN 60079-15:2010**

**EN IEC 60079-15:2019**

- (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 annex 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 of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:



Certification department of explosion protection

Ulrich Feike

Tuerkheim, 2022-06-14

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.

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## Annex

(14) **Certificate of Conformity EPS 10 ATEX 1 290 X**

**Revision 3**

(15) Description of equipment:

The equipment is a power supply for built-in use (DIN rail).

The EUT is a series of switch mode power supplies for industrial applications. It is supplied from a three phase mains and provides a 24Vdc-output. The equipment is available in three power classes (240W, 480W and 960W). Each power class is available in two different versions (400V or 500V nominal input voltage). The 400V- and the 500V-version of each power class are identical except of the differences listed below. PCB layouts, principal transformer construction, circuit diagrams, mechanical construction, etc. is identical. The differences are the ratings of primary components.

All devices are designed for installation in an enclosure providing protection against electrical, mechanical and fire hazards and are intended for general use such as in industrial control, process control, power distribution and instrumentation equipment.

Revision 3: Update to current version of standards used. Update of ExTR to current version. Change of type of protection from "nA" to "ec". Change of manufacturer's address. Minor editorial changes to manufacturer's documents. No tests performed.

Electrical data:

<b>TSP240-124-3PAC400</b> Input: 3 x 400V AC   0.50A   50/60Hz Output: 24V DC   10A	<b>TSP240-124-3PAC500</b> Input: 3 x 500V AC   0.40A   50/60Hz Output: 24V DC   10A
<b>TSP480-124-3PAC400</b> Input: 3 x 400V AC   0.96A   50/60Hz Output: 24Vdc; 20A	<b>TSP480-124-3PAC500</b> Input: 3 x 500V AC   0.75A   50/60Hz Output: 24V DC   20A
<b>TSP960-124-3PAC400</b> Input: 3 x 400 V AC   1.90A   50/60Hz Output: 24 V DC   40A	<b>TSP960-124-3PAC500</b> Input: 3x500 V AC   1.50A   50/60Hz Output: 24V DC   40A

(16) Reference number: 10TH0265

(17) Special conditions for safe use:

- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with EN IEC 60079-0 and EN IEC 60079-15.
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- Special ambient temperature range: -25 °C to +70 °C
- Output power de-rating conditions at high ambient temperatures must be considered.
  - 400V-versions: 100% load from 360-440V; 75% load below 360V (min. 330V)
  - 500V-versions: 100% load from 450-550V; 75% load below 450V (min. 410V)
  - The temperature derating is added to the input voltage derating above +55 °C.



(18) Essential health and safety requirements:

Met by compliance with standards.

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Tuerkheim, 2022-06-14

