



(1) **Certificate of Conformity**

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **UKSI 2016:1107 (as amended)**

(3) Certificate Number

EPS 22 UKEX 1 115 X

Revision 0

(4) Equipment: Power Supply and DC UPS (built-in):
TSPC 050-112, TSPC 050-124, TSPC 080-112, TSPC 080-124,
TSPC 120-124, TSPC 120-148, TSPC 240-124, TSPC 240-148,
TSPC 240-124UPS, TSPC 480-124, TSPC 480-148

(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 United Kingdom Limited 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 Schedule 1 of UKSI 2016:1107 (as amended). The examination and test results are recorded in the confidential documentation under the reference number 10TH0037.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN IEC 60079-7:2015 + A1:2018

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 UKSI 2016:1107 (as amended). Further requirements 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:



II 3G Ex ec IIC T4 Gc ¹⁾

II 3G Ex ec nC IIC T4 Gc ²⁾

¹⁾ Model TSPC 240-124UPS only

²⁾ All models except of TSPC 240-124UPS



Certification department of explosion protection

Warrington, 2022-05-19

Natalie Wilkinson

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Bureau Veritas Consumer Products Services United Kingdom Limited
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Registered in England & Wales
Company Number: 00852439



(13)

Annex

(14) **Certificate of Conformity EPS 22 UKEX 1 115 X**

Revision 0

(15) Description of Equipment:

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

The TSPC series are high performance DIN-rail mount power supplies for harsh industrial environments. The design is based on the popular TRACOPOWER TSP series but with reduced electrical features to make these power supplies an easy to install and cost efficient but reliable solution for basic applications. Excellent electrical specifications and high immunity against electrical disturbances makes these compact modules the best choice for reliable industrial systems and machines. For system applications all models provide a Power-Good signal. Power supply series with mains input and isolated d.c. output. The d.c. UPS is connected to a battery and is used to supply the load if the mains or power supply fails.

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 0: initial issue.

Electrical data:

TSPC 050-112 Input: 100-240V AC 1.10-0.70A 50/60Hz Output: 12V DC 4.00A *12V Output (adjustable from 12 – 14 Vdc)	TSPC 050-124 Input: 100-240V AC 1.10-0.70A 50/60Hz Output: 24V DC 2.10A *24V Output (adjustable from 24 – 28 Vdc)
TSPC 080-112 Input: 100-120V AC 1.90-1.10A 50/60Hz 220-240V AC 1.90-1.10A 50/60Hz Output: 12V DC 6.60A *12V Output (adjustable from 12 – 14 Vdc)	TSPC 080-124 Input: 100-120V AC 1.70-1.00A 50/60Hz 220-240V AC 1.70-1.00A 50/60Hz Output: 24V DC 3.30A *24V Output (adjustable from 24 – 28 Vdc)
TSPC 120-124 Input: 100-120V AC 2.50-1.40A 50/60Hz 220-240V AC 2.50-1.40A 50/60Hz Output: 24V DC 5.00A *24V Output (adjustable from 24 – 28 Vdc)	TSPC 120-148 Input: 100-120V AC 2.80-1.50A 50/60Hz 220-240V AC 2.80-1.50A 50/60Hz Output: 48V DC 2.50A *48V Output (adjustable from 48 – 56 Vdc)
TSPC 240-124 Input: 100-120V AC 5.10-2.20A 50/60Hz 220-240V AC 5.10-2.20A 50/60Hz Output: 24V DC 10.00A *24V Output (adjustable from 24 – 28 Vdc)	TSPC 240-148 Input: 100-120V AC 5.40-2.40A 50/60Hz 220-240V AC 5.40-2.40A 50/60Hz Output: 48V DC 5.00A *48V Output (adjustable from 48 – 56 Vdc)

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(16) **Certificate of Conformity EPS 22 UKEX 1 115 X**

Revision 0

Electrical data: (continued)

TSPC 240-124UPS Input: 100-120V AC 5.10-2.50A 50/60Hz 220-240V AC 5.10-2.50A 50/60Hz *(Battery input: 13.60 Vdc/30 A) Output: 24V DC 10.00A *24V Output (adjustable from 24 – 28 Vdc)	TSPC 480-124 Input: 100-120V AC 9.10-3.60A 50/60Hz 220-240V AC 9.10-3.60A 50/60Hz Output: 24V DC 20.00A *24V Output (adjustable from 24 – 28 Vdc)
TSPC 480-148 Input: 100-120V AC 9.10-4.10A 50/60Hz 220-240V AC 9.10-4.10A 50/60Hz Output: 48V DC 10.00A *48V Output (adjustable from 48 – 56 Vdc)	

(17) Reference number: 10TH0037

(18) Special conditions for safe use:

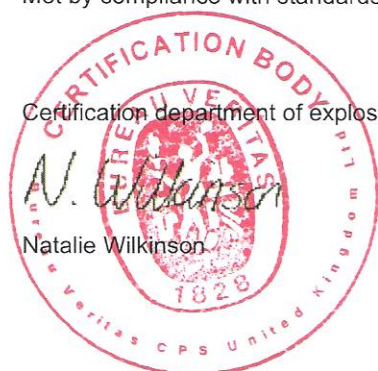
- The equipment shall be installed in an enclosure that provides a degree of protection not less than IP54 in accordance with EN IEC 60079-0 and EN IEC 60079-15.
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- Special ambient temperature range: -25 °C to +70 °C.
- The connector / cable for the signal terminal must be secured in the final installation to avoid unintentional disconnection. The connection must comply with the requirements for pluggable connections, clause 4.2.3.5 of EN 60079-7.

(19) Essential health and safety requirements:

Met by compliance with standards.

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