

(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 12 ATEX 1 424 X

Revision: 3

(4) Equipment: TSP xxx-xxxEX (see attached page)

(5) Manufacturer: Traco Electronic AG

(6) Address: Sihlbruggstr. 111, CH-6340 Baar, Switzerland

(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, 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 06KFS159.

(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.

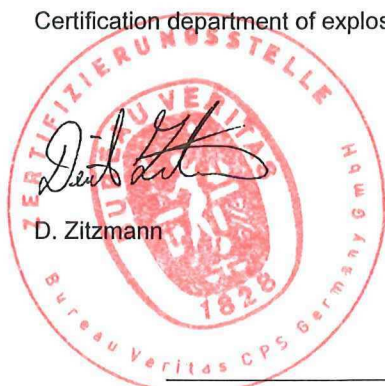
(11) This EC-Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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

 II 3G Ex nA nC IIC T3...T4 Gc

Certification department of explosion protection

Nürnberg, June 22, 2015



- (13) **Annexe**
- (14) **EC-Certificate of Conformity EPS 12 ATEX 1 424 X**
- (15) Description of equipment:

Power supply series for built-in use.

Electrical data:

(see attached page)

- (16) Test report: 06KFS159

- (17) Special conditions for safe use:

Ambient temperature range -25 °C to +40 °C (T4) or -25 °C to +70 °C (T3) with output power derating above 40 °C (see attached page).

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.

- (18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Nürnberg, June 22, 2015



D. Zitzmann



**BUREAU
VERITAS**

Datasheet No. 1

EC-Certificate of Conformity EPS 12 ATEX 1 424 X

Ratings					
Model	U _{in}	I _{in}	U _{out}	I _{out} (@ 40°C)	P _{out} (@ 40°C)
TSP 070-112EX	100-240Vac ¹ (85-264Vac)**	2A – 1A	12Vdc (12-14Vdc)***	6A	72W
TSP 090-124EX	100-240Vac ¹ (85-264Vac)**	2,1A – 1A	24Vdc (24-28Vdc)***	3,75A	90W
TSP 140-112EX	100-240Vac ² (85-264Vac)**	4A – 2A	12Vdc (12-14Vdc)***	12A	144W
TSP 180-124EX	100-240Vac ² (85-264Vac)**	4A – 2A	24Vdc (24-28Vdc)***	7,5A	180W
TSP 360-124EX	100-240Vac ² (85-264Vac)**	6A – 3A	24Vdc (24-28Vdc)***	15A	360W
TSP 600-124EX	100-240Vac ² (85-264Vac)**	10A – 5A	24Vdc (24-28Vdc)***	25A	600W
TSP 090-148EX	100-240Vac ¹ (85-264Vac)**	2,1A – 1A	48Vdc (48-56Vdc)***	2A	96W
TSP 180-148EX	100-240Vac ² (85-264Vac)**	4A – 2A	48Vdc (48-56Vdc)***	4A	192W
TSP 360-148EX	100-240Vac ² (85-264Vac)**	6A – 3A	48Vdc (48-56Vdc)***	7,5A	360W
TSP 600-148EX	100-240Vac ² (85-264Vac)**	10A – 5A	48Vdc (48-56Vdc)***	12,5A	600W

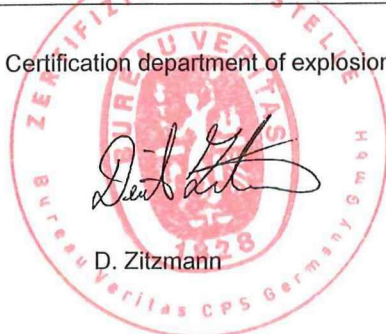
Comments:
¹alternative the unit might be marked with: 115/230Vac or 115–240Vac
²alternative the unit might be marked with 100-120/220-240Vac
**mains supply tolerance
***adjustable
Suffix "xx" may be used for all models and can be any letter or digit; no safety relevant meaning.

AMBIENT DERATING (output power in %):
TSP 070-112EX: 90% @ 50°C 78% @ 60°C 53% @ 70°C
TSP 090-124EX: 85% @ 50°C 65% @ 60°C 45% @ 70°C
TSP 140-112EX: 90% @ 50°C 78% @ 60°C 53% @ 70°C
TSP 180-124EX: 85% @ 50°C 65% @ 60°C 45% @ 70°C
TSP 360-124EX: 85% @ 50°C 65% @ 60°C 45% @ 70°C
TSP 600-124EX: 92% @ 50°C 80% @ 60°C 45% @ 70°C
TSP 090-148EX: 85% @ 50°C 65% @ 60°C 45% @ 70°C
TSP 180-148EX: 85% @ 50°C 65% @ 60°C 45% @ 70°C
TSP 360-148EX: 85% @ 50°C 65% @ 60°C 45% @ 70°C
TSP 600-148EX: 92% @ 50°C 80% @ 60°C 45% @ 70°C

INPUT VOLTAGE DERATING (output power in %):
All models: 55% @ 85Vac
All models: 90% @ 90Vac

Certification department of explosion protection

Nürnberg, June 22, 2015



D. Zitzmann

Page 3 / 3

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 12 ATEX 1 424 X Rev. 3