



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 1 116 X

Revision 1

(4) Equipment: Power Supply:
TEX 120-112, TEX 120-124

Optional Accessory: The model type key can be additionally followed by 8 characters, which can be any alphanumeric, blank, or dash. These characters do not relate to the Ex type of protection in this certificate.

(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 08TH0230.

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

EN IEC 60079-0:2018

**EN 60079-7:2015,
EN IEC 60079-7:2015/A1:2018**

(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.

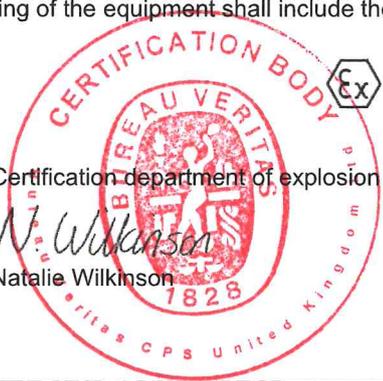
(12) The marking of the equipment shall include the following:

 II 3G Ex ec IIC T4 Gc

Certification department of explosion protection

Warrington, 13-05-2024


Natalie Wilkinson



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 United Kingdom Limited. EPS 22 UKEX 1 116 X, Revision 1.



(13)

Annex

(14) **Certificate of Conformity EPS 22 UKEX 1 116 X**

Revision 1

(15) Description of Equipment:

The EUT is a power supply.

The equipment under test is a power supply for connection to the mains. The 12V or 24V output is galvanically separated to the mains circuit via an insulation transformer and optical isolators. Both power supplies use the same mechanical construction, circuit principle, are class I and provide an IP67 metal enclosure. The status of the output voltage is shown on the front side with a green LED. The output voltage can be adjusted via an internal potentiometer. 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. The equipment has been separately tested against the requirements of IEC 60529 and it meets IP67. The equipment may be provided with optional mechanical protection kit, designated TEX-BK, provides IP54 according to EN IEC 60079-0.

The equipment under certificate, when assembled with optional mechanical protection kit, designated TEX-BK, provides IP54 according to EN IEC 60079-0. Therefore, there is no requirement to install the equipment in an enclosure that provides a minimum ingress protection of IP54. The clauses regarding special conditions for safe use and description of equipment were updated. The optional accessory in models were added to the Equipment clause.

Electrical data:

TEX 120-112 Input: AC 100-240V 2.2-1.0A 50/60Hz Output: DC 12V 8.0A	TEX 120-124 Input: AC 100-240V 2.4-1.2A 50/60Hz Output: DC 24V 5.0A
--	--

(16) Reference number: 08TH0230

(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.
- Where the equipment is fitted with the optional mechanical protection kit (designated TEX-BK), there is no requirement to install the equipment into an IP54 enclosure.
- PE conductor must be connected to apparatus (input terminal).
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- Potential electrostatic charging hazard. Clean only with a damp cloth.
- Special ambient temperature range: -40 °C to +70 °C.
- Output power de-rating conditions at high ambient temperatures must be considered. Derating is specified with 2%/K above +40 °C ambient, up to max. +85 °C.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Warrington, 13-05-2024



Natalie Wilkinson

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 United Kingdom Limited. EPS 22 UKEX 1 116 X, Revision 1.