



# Certificate of Conformity

- (1)
- (2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – UKSI 2016:1107 (as amended)

(3) Certificate Number

**EPS 24 UKEX 1 289 U**

**Revision 0**

(4) Component: Potential module PM12-T0\*-LOAD-20A-E / PM12-T0\*-GND-20A-E

(5) Manufacturer: E-T-A Elektrotechnische Apparate GmbH

(6) Address: Industriestr. 2-8  
90518 Altdorf  
Germany

(7) This component 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 component 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 24TH0521\_00.

(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 60079-31:2014**

(10) The sign "U" placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for equipment or protective systems. This certificate is valid for a component without an autonomous function in sense of UKSI 2016:1107 (as amended) and does not authorize for the UK-marking to be applied according to regulation 39 (3). This component certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This Certificate of Conformity relates only to the design and the construction of the specified component in accordance with UKSI 2016:1107 (as amended). Further requirements apply to the manufacture of this component and its placing on the market. Those requirements are not covered by this certificate.

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

 II 3G Ex ec IIC Gc  
II 3D Ex tc IIIB Dc



Certification department of explosion protection

Warrington, 24-06-2025

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 24 UKEX 1 289 U, Revision 0.



(13)

## Annex

(14) **Certificate of Conformity EPS 24 UKEX 1 289 U**

Revision 0

(15) Description of component:

The PM12-T potential distribution modules of the REX system can be divided into two main groups. You can realise both the + DC 24 V and the 0 V (GND) power distribution in the same system. The new PM12-T modules for the +DC 24 V power distribution are mounted side by side with the electronic circuit protectors and can be electrically connected with them. This increases the number of terminals, saves space and conventional distribution terminals are no longer required.

The EM12-T supply module for GND picks up the 0 V potential and multiplies it by means of the PM12-T for DC 0 V (GND), which can be connected in series. These components can also conveniently be connected and wired up. The distribution solution for DC 0 V is suitable for 40 A rated load.

Electrical data:

Operating voltage  $U_B$                       DC 24 V  
Operating current  $I_B$                       Maximum 20 A

(16) Reference number: 24TH0521\_00

(17) Notes for manufacture, installation and operation:

Service temperature:                       $-30\text{ °C} \leq T_s \leq +60\text{ °C}$

The device has to be installed in an already certified enclosure approved for explosion protection with minimum IP54. The operating instructions shall be observed for the exact installation conditions.

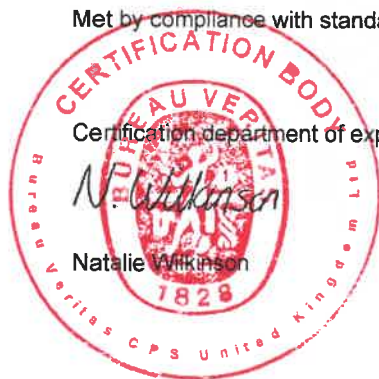
For full certification as an electric equipment, the tests according to EN IEC 60079-0 resp. EN IEC 60079-7, 5.2.8, 6.8 and annex E have to be carried out. Based on the test results a temperature class shall be assigned.

(18) Essential health and safety requirements:

Met by compliance with standards.

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Warrington, 24-06-2025



Natalie Wilkinson

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