(1) # Certificate of Conformity

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

(3) Certificate Number

EPS 23 ATEX 1 107 U **Revision 0**

(4) Component: Electrical circuit protector type REX22D-T**-100-DC24V-**A-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 Germany GmbH 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 Annex II of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 22TH0467_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 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 article 2 (3) and does not authorize for the CE-marking to be applied according to article 13 (3) of the Directive. 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 Directive 2014/34/EU. Further requirements of this Directive 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

Tuerkheim, 2025-05-28

Ulrich Feike

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.

(13) # Annex

(14) **Certificate of Conformity EPS 23 ATEX 1 107 U** **Revision 0**

(15) Description of component:

The pluggable electronic circuit protector type REX22D-T**-100-DC24V-**A-E selectively disconnects DC 24 V load circuits by responding faster than the switch mode power supply to overload conditions. As soon as the REX22D-T**-100-DC24V-**A-E detects an overload or short circuit in the load circuit, it blocks the load output transistor and disconnects the current flow in the faulty circuit. The REX22D-T**-100-DC24V-**A-E can be operated with the basic functionality or in the COM mode, if connected to the respective intelligent supply modules or bus controllers.
The electronic protectors type REX22D-T**-100-DC24V-**A-E must be mounted together with a suitable EM12 or EM12D supply module. Optionally, it can be expanded with further modules, e.g. the CPC12 bus controller or the PM12 potential distribution modules.

Electrical data:

Operating voltage UB	DC 24 V
Admissible system current	max. 40 A
Rated current I_N	fixed current ratings: 12 A, 16 A, 20 A
	adjustable current ratings: 1 A ... 20 A

(16) Reference number: 22TH0467_00

(17) Notes for manufacture, installation and operation:

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

The circuit protector 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.

ZERTIFIZIERUNGSSTELLE BUREAU VERITAS 1828 Bureau Veritas CPS Germany GmbH

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Tuerkheim, 2025-05-28

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