



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 23 UKEX 1 261 U

Revision 0

(4) Component: Supply Module Type: EM12-T0*-***-DC24V-40A, EM12-T0*-***-LINE-40A, EM12D-T**-000-DC24V-40A

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

(6) Address: Industriestraße 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 23TH0425_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 60079-15:2010

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 3G Ex ec nC IIC Gc (EM12-T01-001-DC24V-40A-E)

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 23 UKEX 1 261 U, Revision 0.



(13)

Annex

(14) **Certificate of Conformity EPS 23 UKEX 1 261 U**

Revision 0

(15) Description of component:

The EM12-T0* supply module picks up the DC 24 V supply voltage e.g. from a cycling switch mode power supply and distributes it to the circuit protectors connected in series via the connector arm integrated in the REX12-T-E. The potential-free Si auxiliary contact of the EM12-T0* signals detected errors via the circuit protectors e.g. to a superordinate control unit (CPU).

The EM12D-T** supply module picks up the DC 24 V supply voltage e.g. from a cycling switch mode power supply and distributes it to the intelligent circuit protectors connected in series via the connector arm integrated in the REX12D-T. Designed as an IO link/Modbus RTU device, the communication interface of the EM12D-T** transmits a high number of diagnosis information and control commands to a superordinate IO link/Modbus-RTU master at the control level.

Electrical data:

Operating voltage UB	DC 24 V
Admissible system current	max. 40 A

(16) Reference number: 23TH0425_00

(17) Notes for manufacture, installation and operation:

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

The supply module 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.



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 23 UKEX 1 261 U, Revision 0.