

(1) **EU - Type Examination Certificate**

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

(3) EU - Type Examination Certificate Number

**EPS 21 ATEX 1 101 U**

**Revision 0**

(4) Component: Mini Terminal, type 07-9702-0\*2\*/\*\*\*\*

(5) Manufacturer: Bartec GmbH

(6) Address: Max-Eyth-Str. 16  
97980 Bad Mergentheim  
Germany

(7) This component and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies 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. The examination and test results are recorded in the confidential documentation under the reference number 21TH0299.

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

**EN IEC 60079-0:2018/AC:2020**

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

(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 EU - Type Examination Certificate relates only to the design and 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 2G Ex eb IIC Gb

I M2 Ex eb I Mb



Certification department of explosion protection

U. Feike

Hamburg, 2021-10-10

(13)

## Annex

(14) **EU - Type Examination Certificate EPS 21 ATEX 1 101 U**

**Revision 0**

(15) Description of the component:

Mini terminal, type 07-9702-0\*2\*/\*\*\*\* with four or six clamping units, composed of insulating envelope (polyester or polyamide) and connection facilities with screws.

Accessories: partition plates, bridging elements and anti-rotation devices. The terminal is fastened by appertaining special screws.

The terminal is used to connect copper conductors in terminal compartments of the type of protection increased safety "e".

Electrical data:

Rated voltage, max: 400 V

Operating voltage: 440V

Rated operating current: 24A

Rated cross section, max: 2,5 mm<sup>2</sup> (single-core, finely stranded and stranded)

Temperature: at max rated current and rated conductor size DELTA T up to 40K

Numbers of independent poles: 2 up to 3

(number of independent clamping points)

Numbers of clamping points each pole: 2

Rated connecting capacity: 0.2 mm<sup>2</sup> to 2.5 mm<sup>2</sup> (depending on kind of wire)

Service temperature range: -55°C to +120 °C

(16) Reference number: 21TH0299

(17) Notes for manufacture, installation and operation:

Within the scope of the service temperature range, these terminals may be used in electrical apparatus - above all in connection and junction boxes - for temperature classes T1 to T6.

When the terminals are installed in a terminal compartment - at least of the degree of protection IP 54 - the requirements according to EN 60079-0 must be met.

Concerning the use of accessories, the instructions of the manufacturer must be considered.

These terminals may be fixed only with the appertaining special screws.

(18) Essential health and safety requirements:

Met by compliance with standards.

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Hamburg, 2021-10-10

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