



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX EPS 21.0038U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-10-10

Applicant: **BARTEC GmbH**
Max Eyth Straße 16
97980 Bad Mergentheim
Germany

Ex Component: Mini terminal type, 07-9702-0*2*/****

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **eb**

Marking: Ex eb IIC Gb
Ex eb I Mb

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:

Ulrich Feike

Certification Manager

2021-10-10



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **BARTEC GmbH**
Max Eyth Straße 16
97980 Bad Mergentheim
Germany

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR21.0039/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/13](#)



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Ex Component(s) covered by this certificate is described below:

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".

Rated voltage: 400 V

Operating voltage: 440V

Rated operational current: 24A

Rated cross section, max: 2.5 mm² (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 mm² to 2.5 mm² (depending on kind of wire)

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

SCHEDULE OF LIMITATIONS:

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 IEC 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.