



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 KEM 06.0030U**

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Certificate history:

Status: **Current**

Issue No: 6

[Issue 5 \(2021-07-29\)](#)

[Issue 4 \(2018-12-19\)](#)

[Issue 3 \(2012-07-23\)](#)

[Issue 2 \(2009-07-27\)](#)

[Issue 1 \(2007-06-01\)](#)

[Issue 0 \(2006-10-04\)](#)

Date of Issue: 2024-03-04

Applicant: **Phoenix Contact GmbH & Co. KG.**
Flachsmarktstraße 8
Blomberg 32825
Germany

Ex Component: Terminal Blocks UKH 150, UKH 150-F, UKH 240 and UKH 240-F

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: **Increased safety**

Marking: Ex eb IIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-03-04

1. This certificate and schedule may only be reproduced in full.
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DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturer: **Phoenix Contact GmbH & Co. KG.**
Flachsmarktstraße 8
Blomberg 32825
Germany

Manufacturing
locations:

Phoenix Contact GmbH & Co. KG.
Flachsmarktstraße 8
Blomberg 32825
Germany

**Nanjing PHOENIX CONTACT Ltd.
and PHOENIX CONTACT Asia-
Pacific (Nanjing) Co. Ltd.**
36 Phoenix Road, Jiangning
Development Zone
Nanjing, 211100, Jiangsu Province
China

PHOENIX CONTACT India Pvt. Ltd.
Prithla-Datir Road, Dudhola,
Dist.Palwal, Haryana
India

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 component 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 component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[NL/DEK/ExTR21.0026/00](#)

[NL/KEM/ExTR06.0029/04](#)

Quality Assessment Reports:

[NL/DEK/QAR11.0009/09](#)

[NL/DEK/QAR11.0010/07](#)

[NL/DEK/QAR11.0011/07](#)



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

Terminal Blocks (all colours) UKH 150, UKH 150-F, UKH 240 and UKH 240-F and accessories are intended for the connection of copper conductors in enclosures fulfilling the degree of protection which is required by the applied type of protection for the end-application.

Types UKH 150 and UKH 240 are intended for installation on mounting rails type NS 32 or type NS 35 according to IEC 60715 respectively Section G 32 and Section TH 35.

Types UKH 150-F and UKH 240-F are suitable for mounting on a mounting plate.

Operating temperature range -60 °C to +110 °C.

For electrical data and nomenclature see Annex 1 to NL/KEM/ExTR06.0029/04.

SCHEDULE OF LIMITATIONS:

1. The Terminal Blocks shall be mounted in a certified enclosure that meets the requirements of an approved type of protection as specified in IEC 60079-0 clause 1, with a degree of protection at least as required for Ex e.
2. When assembling with other certified series and sizes and using the associated accessories, the required creepage distances and clearances have to be observed.
3. The installation instruction of the manufacturer shall be followed e.g. for the use of cover, jumpers, end brackets. The data regarding current and associated temperature rise shall be used as guideline for the given conductor cross sections. The cross section has influence on the temperature rise which shall be assessed in the end application.
4. If the Terminal Blocks are used in electrical apparatus of temperature classes T1 up to T5, the highest temperature of the insulating material shall not exceed the maximum value of the operating temperature range.
5. If the Terminal Blocks are used in electrical apparatus of temperature class T6 the permissible ambient temperature range is -60 °C ≤ Tamb ≤ +40 °C.
6. The electrical data per Annex 1 applies.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Introduction of types UKH 150-F and UKH 240-F.

Annex:

[228205600-ExTR06.0029.04-Annex1.pdf](#)