

CERTIFICATE

(1) UK Type Examination

- (2) **Component intended for use on/in an Product or protective system intended for use in potentially explosive atmospheres - UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

(3) UK Type Examination Certificate Number: **DEKRA 21UKEX0308U** Issue Number: **0**

(4) Product: **Protective Conductor Terminal Blocks USLKG 5; USLKG 50 (-IB) and USLKG 95**

(5) Manufacturer: **PHOENIX CONTACT GmbH & Co. KG**

(6) Address: **Flachsmarktstraße 8, 32825 Blomberg, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification UK Ltd., Approved Body number 8505 in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential test report EX22090002-016 Issue 0.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN 60079-7 : 2015 + A1 : 2018

except in respect of those requirements listed at item 18 of the Schedule to this certificate.

(10) The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This UK Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 GD Ex eb IIC Gb

Date of certification: 15 November 2022



DEKRA Certification UK Ltd.

Abul Kashem
Certification Manager

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(13) **SCHEDULE**

(14) **to UK Type Examination Certificate DEKRA 21UKEX0308U**

Issue No. 0

(15) **Description**

The Protective Conductor Terminal Blocks USLKG 5; USLKG 50 (-IB) and USLKG 95 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. The Protective Conductor Terminal Blocks 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.

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

Electrical data

For electrical data and nomenclature see Annex 1 to EX22090002-016 Issue 0.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

EX22090002-016 Issue 0.

(17) **Schedule of Limitations**

1. The Protective Conductor Terminal Blocks shall be mounted in a certified enclosure that meets the requirements of an approved type of protection as specified in EN IEC 60079-0 clause 1, with a degree of protection at least as required for Ex e. For combustible dust these enclosures must satisfy the requirements according to EN IEC 60079-0 and EN 60079-31.
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 Protective Conductor 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 Protective Conductor Terminal Blocks are used in electrical apparatus of temperature classes T6 the permissible ambient temperature range is $-60\text{ °C} < T_{\text{amb}} < +40\text{ °C}$.
6. The electrical data per Annex 1 to EX22090002-016 Issue 0 applies.

(18) **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the report.

(19) **Test documentation**

As listed in Report number EX22090002-016 Issue 0.