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 KIWA 14.0014U**

Page 1 of 4

Certificate history:

Issue 3 (2021-03-24)
Issue 2 (2020-09-21)
Issue 1 (2015-10-29)
Issue 0 (2015-06-17)

Status: **Current**

Issue No: 4

Date of Issue: 2021-12-07

Applicant: **PHOENIX CONTACT GmbH & Co. KG**
Flachsmarktstr. 8
32825 Blomberg
Germany

Ex Component: Terminal block, Series UT 4

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: **Ex ec**

Marking: Ex ec IIC Gc

Approved for issue on behalf of the IECEx Certification Body: **Dorin Stochitoiu P. Eng**

Position: **Technical Oversight Specialist**

Signature:
(for printed version)

Date:

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:

CSA Group
178 Rexdale Blvd
Toronto Ontario M9W 1R3
Canada

IECEx Certificate of Conformity

Manufacturer: **PHOENIX CONTACT GmbH & Co. KG**
Flachsmarktstr. 8
32825 Blomberg
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 Reports:

NL/KIWA/ExTR15.0003/00
NL/KIWA/ExTR15.0003/01
NL/KIWA/ExTR15.0003/02
NL/KIWA/ExTR15.0003/03
NL/KIWA/ExTR15.0003/04

Quality Assessment Reports:

NL/DEK/QAR11.0009/08
NL/DEK/QAR11.0010/05
NL/DEK/QAR11.0011/05
NL/DEK/QAR17.0005/03

IECEx Certificate of Conformity

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

The terminal, Series UT 4, is used for the connection of copper conductors in equipment in type of protection “ec”. The terminal is snapped onto DIN rail NS 35 acc. to EN/IEC 60715-TH 35.

Operating temperature range -60 °C to +130 °C.

SCHEDULE OF LIMITATIONS:

1. See Annex 1 for Technical data.
2. The clearances and creepage distances to other live parts shall fulfil the requirements of Table 2 of the IEC 60079-7.
3. When accessories are used, the instructions provided by the manufacturer shall be observed.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
This issue, Issue 4, recognises the following change; refer to the certificate annex to view a comprehensive history:

1. Addition of new insulation material.

Annex:

IECEx KIWA 14.0014U Annex Issue 4.pdf

Technical data

- All types

Rated cross section	4 mm^2
Max. cross section	6 mm^2
Connecting capacity	0.14 - 6 mm^2 (rigid and flexible) 0.14 - 4 mm^2 (with end ferrule)
Multi conductor connection (two conductors of the same cross section and conductor type)	0.14 - 1.5 mm^2 (rigid and flexible)
Temperature rise at rated and max. current	max. 45 K

- Types UT 4-L, UT 4-L/L, UT 4-PE/L/L and UT 4-PE/L/N

Rated voltage	500 V
Rated current	26 A (4 mm^2)
Max. current	32 A (6 mm^2)

- Types UT 4-L/HEDI, UT 4-PE/L/HEDI and UT 4-PE/L/MT

Rated voltage	500 V
Rated current	24 A (4 mm^2)
Max. current	32 A (6 mm^2)
Max. current disconnector	16 A

Types UT 4-L/HESI (5x20), UT 4-L/HESILED 24 (5X20), UT 4-L/HESILED 24 (5x20) 120KOHM UT 4-L/HESILED 60 (5X20), UT 4-L/HESILED 250 (5X20), UT 4-PE/L/HESI (5x20), UT 4-PE/L/HESILED 24 (5X20), UT 4-PE/L/HESILED 24 (5x20) 120KOHM, UT 4-PE/L/HESILED 60 (5X20) and UT 4- PE/L/HESILED 250 (5X20)

Rated voltage	500 V 250 V, if equipped with cartridge fuse-links acc. to IEC 60127
Rated current	20 A (4 mm^2)
Max. current	20 A (6 mm^2)
Max. current fuse carrier	6.3 A
Working voltage defect indicator	12 - 30 Vac/dc (HESILED 24) 30 - 60 Vac/dc (HESILED 60) 110 - 250 Vac/dc (HESILED 250)

- Type UT 4-PE/L/TG

Rated voltage	500 V 250 V, if equipped with fuse holder and cartridge fuse-links acc. to IEC 60127
Rated current	20 A (4 mm^2)
Max. current	20 A (6 mm^2)
Max. current fuse plug (P-FU)	6.3 A
Max. current isolating plug (P-DI)	16 A
Working voltage indicator	12 - 30 Vac/dc (P-FU 5X20 LED 24-EX) 30 - 60 Vac/dc (P-FU 5X20 LED 60-EX) 110 - 250 Vac/dc P-FU 5X20 LA250-EX)

CSA Group Testing & Certification Inc.
178 Rexdale Boulevard,
Toronto, Ontario M9W 1R3

Types UT 4-HESI (5x20) EX, UT 4-HESILED 24 (5X20) EX, UT 4-HESILED 60 (5X20)-EX, UT 4-HESILED 24-P/P-EX, UT 4-HESILED 24 (5X20) 120KOHM-EX, UT 4-HESILED 24 (5X20) 820KOHM-EX, UT 4-HESILA 250 (5x20) EX, UT 4-PE/HESI (5x20), UT 4-PE/HESILED 24 (5X20), UT 4-PE/HESILED 60 (5X20), UT 4-PE/HESILA 250 (5X20)

,

Rated voltage	250 V
Rated current	6.3 A (4 mm^2)
Max. current	6.3 A (6 mm^2)
Max. current fuse carrier	6.3 A
Working voltage defect indicator	12 - 30 Vac/dc (HESILED 24) 30 - 60 Vac/dc (HESILED 60) 110 - 250 Vac/dc (HESILA 250)

- Types UT 4-HEDI-EX, UT 4-HEDI-P/P-EX

Rated voltage	500 V
Rated current	16 A (4 mm^2)
Max. current	16 A (6 mm^2)

Full certificate change history

Issue 1 – this Issue introduced the following change:

i. Addition of terminal type UT 4-L/HEDI

Issue 2 – this Issue introduced the following changes:

i. Minor change of the UT 4-.../HESI(LED) and UT 4-.../HEDI lever

Issue 3 – this Issue introduced the following changes:

i. Change type of protection "nA" to "ec"
ii. Addition of types UT 4-HESI... and UT 4-HEDI

Issue 4 – this Issue introduced the following change:

i. Addition of new insulation material.

CSA Group Testing & Certification Inc.
178 Rexdale Boulevard,
Toronto, Ontario M9W 1R3