



1 **TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **KIWA 14ATEX0025U** Issue: **6**

4 Component: **Terminal block, Series UT 4**

5 Applicant: **PHOENIX CONTACT GmbH & Co. KG**

6 Address: **Flachsmarktstr. 8,
32825 Blomberg
Germany**

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0: 2018

EN 60079-7: 2015 +A1: 2018

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified component, and not to specific components subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:



II 3 G

Ex ec IIC Gc



Signed: Michelle Halliwell

Title: Director of Operations

Project Number 80200633

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13 DESCRIPTION OF COMPONENT

Terminal blocks Series UT 4 are used for the connection of copper conductors in equipment in type of protection "ec".

The terminal block is snapped onto DIN rail NS 35 according to EN 60715-TH 35.

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

Technical Data

Connection Capacity (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	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 disconnecter	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/HESILA 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/HESILA 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 cartridge fuse-links acc. to IEC 60127
Rated current	20 A (4 mm ²)

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Type UT 4-PE/L/TG	
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)

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)

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)

Variation 1 - This variation introduced the following change:

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

Variation 2 - This variation introduced the following change:

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

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Variation 3 - This variation introduced the following changes:

- i. Change of type of protection "nA" to "ec", the previously listed standard EN 60079-15: 2010 is replaced by EN 60079-7: 2015+A1: 2018.
- ii. Addition of types UT 4-HESI... and UT 4-HEDI
- iii. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, the previously listed standard EN 60079-0: 2012 + A11: 2013 is replaced by EN IEC 60079-0: 2018.
- ii. Addition of terminal type UT 4-L/HEDI.

Variation 4 - This variation introduced the following change:

- i. Addition of new insulation material.

Variation 5 - This variation introduced the following change:

- i. To correct the typographical error in the model name from UT 4-PE/L/HESILED 250 (5X20) & UT 4-L/HESILED 250 (5X20) to UT 4-PE/L/HESILA 250 (5X20) & UT 4-L/HESILA 250 (5X20).

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
1	17 June 2015	141200914	The release of the prime certificate.
2	30 October 015	141200914	The introduction of Variation 1
3	20 September 2020	141200914	The introduction of Variation 2
4	25 March 2021	R80066875A	This Issue covers the following changes: • Type Examination Certificate in accordance with 94/9/EC updated to Type Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i> • Transfer of KIWA 14ATEX0025 U from KIWA Nederland B.V., Unit Kiwa ExVision, Wilmersdorf 50, 7327 AC Apeldoorn to CSA Group Netherlands B.V. • The introduction of Variation 3.
5	07 December 2021	R80085010A	The introduction of Variation 4.
6	21 March 2024	R80200632A	The introduction of Variation 5.

15 SCHEDULE OF LIMITATIONS

15.1 See Technical data.

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- 15.2 The clearances and creepage distances to other live parts shall fulfil the requirements of Table 2 of the IEC 60079-7.
- 15.3 When accessories are used, the instructions provided by the manufacturer shall be observed.
- 15.4 When accessories are used, the instructions provided by the manufacturer shall be observed.
- 16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**
The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.
- 17 **CONDITIONS OF MANUFACTURE**
- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. certificates.
- 17.2 Holders of Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

Certificate Annexe



Certificate Number: **KIWA 14ATEX0025U**
 Component: **Terminal block, Series UT 4**
 Applicant: **PHOENIX CONTACT GmbH & Co. KG**

Issue1

Drawing	Rev.	Date	Title
00821212	-	10-09-2014	UT 4-L (-PE)/.....-EX
00822158	-	16-09-2014	UT 4-PE/L/HESI (LED...) (5x20)
00822171	-	16-09-2014	UT 4-PE/L/HEDI
00822174	-	16-09-2014	UT 4-L/HESI (LED...) (5x20)
00822177	-	16-09-2014	UT 4-PE/L/L (N)
00822185	-	16-09-2014	UT 4-L/L
00822186	-	16-09-2014	UT 4-L
00822187	-	16-09-2014	UT 4-PE/L/MT
00822188	-	16-09-2014	UT 4-PE/L/TG
-	00	09-06-2015	Instructions UT 4-L, 3 pages
-	00	09-06-2015	Instructions UT 4-L/HESI (LED...) (5x20) , 3 pages
-	00	09-06-2015	Instructions UT 4-L/L, 3 pages
-	00	09-06-2015	Instructions UT 4-PE/L/HEDI, 3 pages
-	00	09-06-2015	Instructions UT 4-PE/L/HESI (LED...) (5x20) , 3 pages
-	00	09-06-2015	Instructions UT 4-PE/L/L (N) , 3 pages
-	00	09-06-2015	Instructions UT 4-PE/L/MT, 3 pages
-	00	09-06-2015	Instructions UT 4-PE/L/TG, 3 pages
TPB_2274_3214320_01_DE	-	24-02-2015	Report UT 4-PE/L/HESI (5x20), 70 pages
TPB_2276_3214360_01_DE	-	25-02-2015	Report UT 4-PE/L/L, 44 pages
TPB_2277_3214364_01_DE	-	25-02-2015	Report UT 4-PE/L/MT, 47 pages
TPB_2288_3214324_01_DE	-	25-02-2015	Report UT 4-PE/L/HEDI, 47 pages
TPB_2295_3214362_01_DE	-	26-02-2015	Report UT 4-L/L, 33 pages
TPB_2296_3214363_01_DE	-	26-02-2015	Report UT 4-L, 32 pages
TPB_2302_3214325_01_DE	-	25-02-2015	Report UT 4-L/HESI (5x20), 61 pages
TPB_2303_3214365 mit 3036806_01_DE	-	23-02-2015	Report UT 4-PE/L/TG mit P-FU 5x20, 70 pages
TPB_2308_3214365 mit 30366783_01_DE	-	25-02-2015	Report UT 4-PE/L/TG mit P-DI, 48 pages

Issue 2

Drawing	Rev.	Date	Title
00880122	1	14-10-2015	UT 4-L/HEDI
00822174	1	14-10-2015	UT 4-L/HESI (LED...) (5x20)
	00	28-10-2015	Instructions UT 4-L/HEDI, 3 pages

Issue 3.

Drawing	Rev.	Date	Title
01278622	--	13.05.20	Ex-Marking detail UT 4-PE/HESI... (5x20)
01278460	--	13.05.20	Ex-Marking detail UT 4-HESI...-EX / UT 4-HEDI...-EX
TPB_2274_3214320_01_DE	--	2015-02-24	Report UT 4-PE/L/HESI (5x20)
TPB_2288_3214324_01_DE	--	2015-02-25	Report UT 4-PE/L/HESI (5x20)
TPB_2302_3214325_03_DE	--	2018-06-19	Report UT 4-L/HESI (5x20)
TPB_2309_3214326_00_DE	--	2015-02-25	Report UT 4-L/HEDI

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 Component: **Terminal block, Series UT 4**
 Applicant: **PHOENIX CONTACT GmbH & Co. KG**

Issue 4.

Drawing	Sheets	Rev.	Date (Stamp)	Title
01278622	1 of 1	--	04 Feb 2021	Ex-Marking detail UT 4-PE/HESI... (5x20)
01278460	1 of 1	--	04 Feb 2021	Ex-Marking detail UT 4-HESI...-EX / UT 4-HEDI...-EX
00822158	1 of 1	01	04 Feb 2021	UT4-PE/L/HESI (LED...) (5x20)
00822171	1 of 1	01	04 Feb 2021	UT4-PE/L/HEDI
00822174	1 of 1	02	04 Feb 2021	UT4-L/HESI ... (5x20)
00880122	1 of 1	02	04 Feb 2021	UT4-L/HEDI
01055474	1 of 1	--	04 Feb 2021	UT4-PE/HESI ... (5x20)
01173981	1 of 1	--	04 Feb 2021	UT 4 HESI (5x20)-Ex
01254580	1 of 1	--	04 Feb 2021	UT 4-HEDI (-P/P)-Ex
MNR 01136461-02	1 of 1	--	04 Feb 2021	Instructions UT 4-L/HESILA 250 (5x20)
MNR 01136464-02	1 of 1	--	04 Feb 2021	Instructions UT 4-PE/L/HESILED 24 (5x20)
MNR 01136466-02	1 of 1	--	04 Feb 2021	Instructions UT 4-PE/L/HESILED 60 (5x20)
MNR 01136469-02	1 of 1	--	04 Feb 2021	Instructions UT 4-PE/L/HESILED 250 (5x20)
MNR 01256119-00	1 of 1	--	04 Feb 2021	Instructions UT 4-PE/L/HESI (5x20)
MNR 01256122-00	1 of 1	--	04 Feb 2021	Instructions UT 4-PE/HESILED 24 (5x20)
MNR 01256124_00	1 of 1	--	04 Feb 2021	Instructions UT 4-PE/HESILED 60 (5x20)
MNR 01256125_00	1 of 1	--	04 Feb 2021	Instructions UT 4-PE/HESILA 250 (5x20)
MNR 01216815_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HESILED 24 (5x20) 120KOHM-EX)
MNR 01256126_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HEDI-EX)
MNR 01256128_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HESILED 24 -P/P-EX
MNR 01256130_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HEDI-P/P-EX
MNR 01256133_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HESILED 60 (5x20)-EX
MNR 01256136_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HESILA 250 (5x20)-EX
MNR 01256138_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HESILED 24 (5x20)-EX
MNR 01256140_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HESI (5x20)-EX
MNR 01256142_00	1 of 1	--	04 Feb 2021	Instructions UT 4-HESILED 24 (5x20) 820KOHM-EX

Issue 5.

Drawing	Rev.	Date	Date (Stamp)	Title
00855473	01	2021-05-20	05 Nov 21	* Material Data Sheet

Issue 6

Drawing	Sheets	Rev.	Date (Stamp)	Title
MNR 01136461	1 to 18	04	18 Mar 24	Instructions UT 4-L/HESILA 250 (5x20)
MNR 01136469	1 to 18	04	18 Mar 24	Instructions UT 4-PE/L/HESILA 250 (5x20)

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