

# 1 Type Examination Certificate

2 Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 94/9/EC

3 Type Examination Certificate Number: **KIWA 14ATEX0025 U** Issue: **2**

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

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

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

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

8 Kiwa Nederland B.V. certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number 141200914.

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

**EN 60079-0 : 2012 + A11 EN 60079-15 : 2010**

10 The sign "U" placed after the certificate number indicates that this certificate is intended for a component and 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 Type Examination Certificate relates only to the design, examination and tests of the specified component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

12 The marking of the component shall include the following:



**II 3 G Ex nA IIC Gc**

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Pieter van Breugel

Certification Officer

**Issue date:**

30 October 2015

**First issue:**

17 June 2015

© Integral publication of this certificate in its entirety and without any change is allowed.

## 13 SCHEDULE

14 to Type Examination Certificate KIWA 14ATEX0025

Issue No. 2

### 15.1 Description

The terminal Block, Series UT 4 is used for the connection of copper conductors in enclosures in type of protection “nA”. The terminal block is clamped on rail NS 35 to EN 60715-TH 35.

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

### 15.2 Technical data

Connection capacity (all types)	
Rated cross section	4 mm <sup>2</sup>
Max. cross section	6 mm <sup>2</sup>
Connecting capacity	0,14 - 6 mm <sup>2</sup> (rigid and flexible) 0,14 - 4 mm <sup>2</sup> (with end ferrule)
Multi conductor connection (two conductors of the same cross section and conductor type)	0,14 - 1,5 mm <sup>2</sup> (rigid and flexible)

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 <sup>2</sup> )
Max. current	32 A (6 mm <sup>2</sup> )
Temperature rise	max. 45 K

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

Rated voltage	500 V
Rated current	24 A (4 mm <sup>2</sup> )
Max. current	32 A (6 mm <sup>2</sup> )
Max. current disconnecter	16 A
Temperature rise	max. 45 K

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 <sup>2</sup> )
Max. current	32 A (6 mm <sup>2</sup> )
Max. current disconnecter	16 A
Temperature rise	max. 45 K

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

Rated voltage	250 V
Rated current	20 A (4 mm <sup>2</sup> )
Max. current	20 A (6 mm <sup>2</sup> )
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)
Temperature rise	max. 45 K

13 **SCHEDULE**

14 **to Type Examination Certificate KIWA 14ATEX0025 Issue No. 2**

Type UT 4-PE/L/TG

Rated voltage	250 V
Rated current	20 A (4 mm <sup>2</sup> )
Max. current	20 A (6 mm <sup>2</sup> )
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)
Temperature rise	max. 45 K

15.3 **Instructions**

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

16 **Test Report**

No. 141100914.

17 **Schedule of limitations**

See Technical data at section 15.2.

When mounted in an enclosure with type of protection “nA” to EN 60079-15, the clearances and creepage distances to other live parts shall fulfil the requirements of Table 2 of that standard.

When accessories are used, the instructions provided by the manufacturer shall be observed.

18 **Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at section 9.

19 **Test documentation**

As listed in Test Report No. 141100914.