



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX UL 13.0007U** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2013-08-08** Page 1 of 3

Applicant: **Phoenix Contact GmbH & Co. Kg**  
Flachsmarktstrasse 8  
Blomberg, 32825  
Germany

Electrical Apparatus: **Terminal blocks with optional fuse holders**  
Optional accessory:

Type of Protection: **Non-Sparking 'nA'**

Marking: **Ex nA IIC Gc**

Approved for issue on behalf of the IECEx  
Certification Body:

Katy A. Holdrege

Position:

Sr. Staff Engineer

Signature:  
(for printed version)

Katy A. Holdrege E.K.O.

Date:

2013-08-08

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

UL LLC  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





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Manufacturer: **Phoenix Contact GmbH & Co. Kg**  
Flachsmarktstrasse 8  
Blomberg, 32825  
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Additional Manufacturing location  
(s):

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 electrical apparatus 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 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition: 6.0

**IEC 60079-15 : 2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition: 4

*This Certificate **does not** indicate compliance with electrical 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 Report:  
[US/UL/ExTR13.0009/00](#)

Quality Assessment Report:  
[NL/DEK/QAR11.0009/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The devices are Ex Component terminal blocks for use in explosive atmospheres when installed and used in accordance with the specified Schedule of Limitations. The terminal blocks are suitable for mounting on NS 35 DIN rail.

Models UT 4-MT-EX and UT 4-MT-P/P-EX contain a knife disconnect switch.

Models UT 4-TG-EX and UT 4-TG-P/P-EX may be used with an optional plug-in fuse holder type P-FU 5x20-EX, P-FU 5x20 LED 24-EX, P-FU 5x20 LED 60-EX or P-FU 5x20 LA 250-EX. Each of these plug-in fuse holders may hold a 5x20 mm size cartridge fuse. The terminals may also be used with optional plug-in bridge connector type FBS 2-6.

Models UT-6-TG-EX and UT 6-TG-P/P-EX may be used with an optional plug-in fuse holder type P-FU 6, 3x32-EX, P-FU6, 32x32 LED 24-EX, P-FU 6, 3x32 LED 60-EX, or P-FU 6, 3x32 LA 250-EX. Each of these plug-in fuse holders may hold a 6.3x32 mm size cartridge fuse. The terminal may also be used with optional plug-in bridge connector type FBS 2-8.

See Annex for more details on equipment including ratings and Schedule of Limitations.

### CONDITIONS OF CERTIFICATION: NO

## Annex to IECEx UL 13.0007U

### NOMENCLATURE:

The Type Nos. are designated as follows:

#### Typical Type No.

Terminal block					Suitable Fuse holder Accessory			
UT	4	-MT -MT	-P/P	-EX -EX		<i>none</i> <i>none</i>		
						P-FU 5 x 20		- EX
UT	4	-TG		-EX		P-FU 5 x 20	LED 24	- EX
		-TG	-P/P	-EX	+	P-FU 5 x 20	LED 60	- EX
						P-FU 5 x 20	LA 250	- EX
						P-FU 6,3 x 32		- EX
UT	6	-TG		-EX		P-FU 6,3 x 32	LED 24	- EX
		-TG		-EX	+	P-FU 6,3 x 32	LED 60	- EX
						P-FU 6,3 x 32	LA 250	- EX
1.	2.	3.	4.	5.	A1.	A2.	A3.	A4.

- |                   |            |  |
|-------------------|------------|--|
| 1. Basic Type No. | UT         | Screw connection terminal block                    |
| 2. Suffixes       | 4<br>6     | Size of terminal block with specific Cross-section |
| 3. Suffixes       | -MT<br>-TG | Knife disconnect<br>Plug disconnect                |
| 4. Suffix         | -P/P       | with test socket screws                            |
| 5. Suffix         | -EX        | Terminal block tested and marked for hazloc use    |

A1. Basic Accessory Type No. P-FU

Pluggable fuse holder for use with –TG or –TG-P/P terminal blocks.

A2. Suffix                    5 x 20    for 5 x 20 mm cartridge fuse links  
6,3 x 32for 6,3 x 32 mm cartridge fuse links

A3. Suffix                    LED 24 equipped with 24 V LED blown fuse ID  
LED 60 equipped with 60 V LED blown fuse ID  
LA 250 equipped with 250 V neon blown fuse ID

A4. Suffix                    -EX      Pluggable fuse holder tested for hazloc use

**Ratings:**

<b>Models</b>	<b>Rated Voltage</b>	<b>Max. Rated Current</b>
UT 4-MT-EX UT 4-MT-P/P-EX	500 V	20 A
UT 4-TG-EX UT 4-TG-P/P-EX	250 V	6.3 A
UT 6-TG-EX UT 6-TG-P/P-EX	250 V	6.3 A
P-FU 5x20-EX P-FU 6,3x32-EX	250 V	N/A
P-FU 5x20 LED 24-EX P-FU 6,3x32 LED 24-EX	12-30 V DC	0.31-0.95mA
P-FU 5x20 LED 60-EX P-FU 6,3x32 LED 60-EX	30-60 V	0.40-0.86mA
P-FU 5x20 LA 250-EX P-FU 6,3x32 LA 250-EX	110-250 V	0.41-0.96mA

**Schedule of Limitations:**

The terminals must be installed within an appropriate enclosure certified for the area with a minimum rating of IP54, which shall bear the warning:  
**WARNING – DO NOT REMOVE OR REPLACE THE FUSE/ KNIFE DISCONNECT SWITCH WHEN ENERGIZED!**