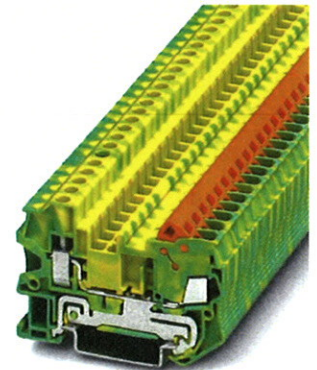


## Quick Connection Screw Protective Conductor Terminal Block QTCU...-PE

<b>Article description</b>	<b>QTCU 1,5-PE</b>
Article no.	3050031
<b>EC-TYPE EXAMINATION CERTIFICATE IECEX-CERTIFICATE</b>	<b>KEMA 04ATEX2226 U IECEX KEM 07.0007 U</b>
Marking	Ex e II KEMA 04ATEX2226 U IECEX KEM 07.0007 U
Assembly on mounting rails	NS 35 acc. to EN 60715-TH 35
Stripping length <sup>1)</sup>	9 mm
Torque <sup>1)</sup>	0,6 - 0,8 Nm
Frequency of circuit at same cross-section <sup>2)</sup>	100
Assembly instructions	See page 2
Operating temperature range	-45 °C ... +90 °C
Wiring temperature range	-10 °C ... +90 °C



### Technical data according to EN 60079-7 (increased safety „e“)

#### Connection capacity

Rated cross-section	1,5 mm <sup>2</sup>	AWG 16
Max conductor cross-section	1,5 mm <sup>2</sup> rigid and flexible <sup>2)</sup>	AWG 16
	2,5 mm <sup>2</sup> flexible <sup>1)</sup>	AWG 14
	4 mm <sup>2</sup> rigid <sup>1)</sup>	AWG 12
Connectable conductor cross-section	0,14 - 2,5 mm <sup>2</sup> flexible <sup>1)</sup>	AWG 26 - 14
	0,14 - 4 mm <sup>2</sup> rigid <sup>1)</sup>	AWG 26 - 12
	0,25 - 1,5 mm <sup>2</sup> rigid and flexible <sup>2)</sup>	AWG 24 - 16

#### Data to the explosion protection

Rated voltage	550 V	to the adjacent QTCU 1,5
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#### Insulation material

Description	PA 6.6
Creep resistance acc. to IEC 60112 / material group	CTI 600 / I

#### Accessories

	Description	Article no.
Cover	D-QTCU 1,5	3206283

<sup>1)</sup> only Screw Connection

<sup>2)</sup> only Quick Connection

## Important assembly instructions – increased safety „e“

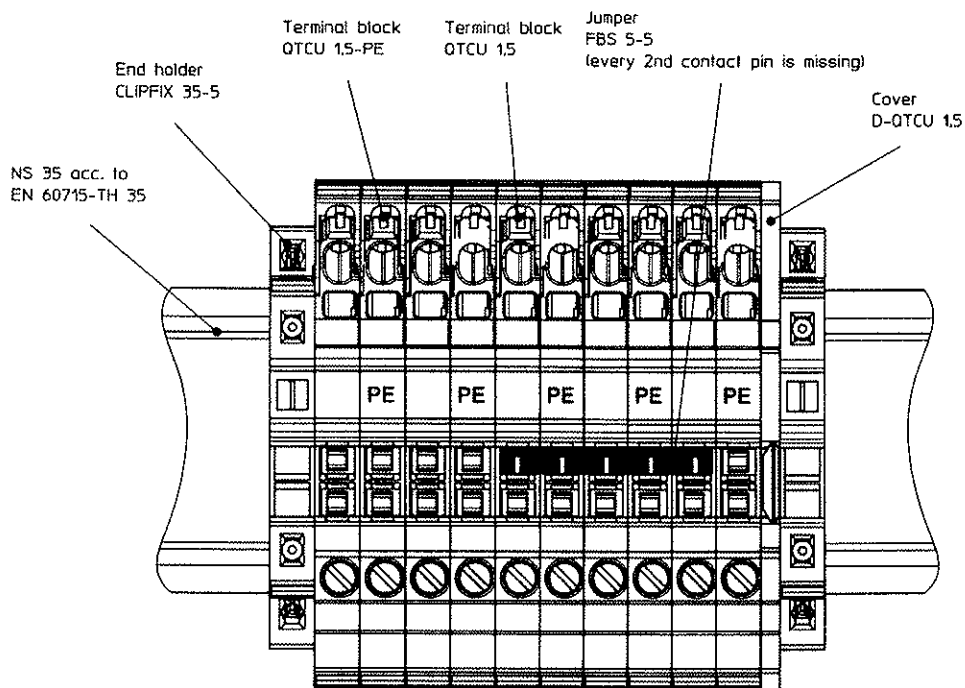
The Quick Connection (Hybrid) Protective Conductor Terminal Blocks are suitable for use in enclosures in Atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to EN 60079-0 and EN 60079-7. For combustible dust these enclosures must satisfy the requirements according to EN 50281-1-1.

When assembling with other certified series and sizes of terminal blocks and using belonging accessories, the required creepage distances and clearances have to be observed.

When using the jumpers to achieve a skipped bridging of protective terminal block QTCU 1,5-PE the rated voltage is reduced to 352 V.

The Quick Connection (Hybrid) Protective Conductor Terminal Blocks may be used at ambient temperatures of -45 °C to +40 °C at the mounting position in electrical apparatus, e.g. junction and connection boxes, for temperature class T6. When the 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.

The Terminal Blocks and their appropriate accessories have to be assembled as specified below.



## Attestation of Conformity

The above mentioned product is in line with the provisions of the below marked directive and their modification directive(s):

94/9/EC ATEX Directive

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

EN 60079-0:2004

EN 60079-7:2003

EN 50281-1-1:1998 + A1

The conformity with the provisions of the ATEX directive were certified by

Notified Body: KEMA Quality B.V.

Address: Utrechtseweg 310, NL-6812 AR Arnhem, The Netherlands [Ident.-No.: 0344]

Certificate: KEMA 04ATEX2226 U, 2004-12-14  
(No., Date)

Blomberg, 2007-12-12

  
J. A. Gerhard Leßmann  
Business Unit Device Connection  
Technology  
Ex-Representative

  
Dirk Görlitzer  
Business Unit Industrial Connection  
Technology  
Head of Business Unit

This attestation certifies the conformity with the indicated directive, it does not, however, covenant any characteristics. The instructions for safety and installation have to be observed.

Phoenix Contact GmbH & Co. KG  
Flachmarktstraße 8  
32825 Blomberg  
Germany



+49 – (0) 52 35 – 3-00



+49 – (0) 52 35 – 3-4 12 00



[www.phoenixcontact.com](http://www.phoenixcontact.com)