


## Terminal block UT

<b>Article description</b>	<b>UT 2,5 *</b>
Article no.	3044076 *
<b>EC-TYPE EXAMINATION CERTIFICATE IECEX-CERTIFICATE</b>	<b>KEMA 04ATEX2048 U *</b> <b>IECEX KEM 06.0027 U *</b>
Marking	0344  2 II GD Ex eb IIC KEMA 04ATEX2048 U IECEX KEM 06.0027 U
Assembly on mounting rails	NS 35 acc. to EN 60715-TH 35
Stripping length	9 mm
Torque	0,6 - 0,8 Nm
Assembly instructions	See page 2
Operating temperature range	-60 °C ... +110 °C



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

Rated insulation voltage	630 V	
Rated voltage	690 V	
Nominal current	22 A ( $\Delta T$ 40 K)	23 A ( $\Delta T$ 45 K)
Max. rated current	28 A ( $\Delta T$ 40 K)	30 A ( $\Delta T$ 45 K)
Temperature rise	33 K (22 A / 2,5 mm <sup>2</sup> )	37 K (23,5 A / 2,5 mm <sup>2</sup> )
Contact resistance	0,41 m $\Omega$	

### Connection capacity

Rated cross-section	2,5 mm <sup>2</sup>	AWG 14
Max. conductor cross-section	4 mm <sup>2</sup>	AWG 12
Connectable conductor cross-section	0,14 - 4 mm <sup>2</sup> rigid 0,14 - 2,5 mm <sup>2</sup> flexible	AWG 26 - 12 AWG 26 - 14

### Multi-conductor connection (2 conductors of the same cross-section)

Rigid / flexible	0,14 - 1,5 mm <sup>2</sup>	AWG 26 - 16
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### Data of insulation material

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

### Accessories

	Description	Article no.	
Cover	D-UT 2,5-10	3047028	
Partition plate	ATP-UT	3047167	
Jumper	FBS 2-5	3030161	Max. 21 A / 2,5 mm <sup>2</sup> $\Delta T$ 40 K Max. 22 A / 2,5 mm <sup>2</sup> $\Delta T$ 45 K
	FBS 3-5	3030174	
	FBS 4-5	3030187	
	FBS 5-5	3030190	
	FBS 10-5	3030213	
	FBS 20-5	3030226	

\* valid for colour variants

## Important assembly instructions – increased safety „e“

The 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 IEC/EN 60079-0 and IEC/EN 60079-7. For combustible dust these enclosures must satisfy the relevant requirements according to IEC/EN 60079-31.

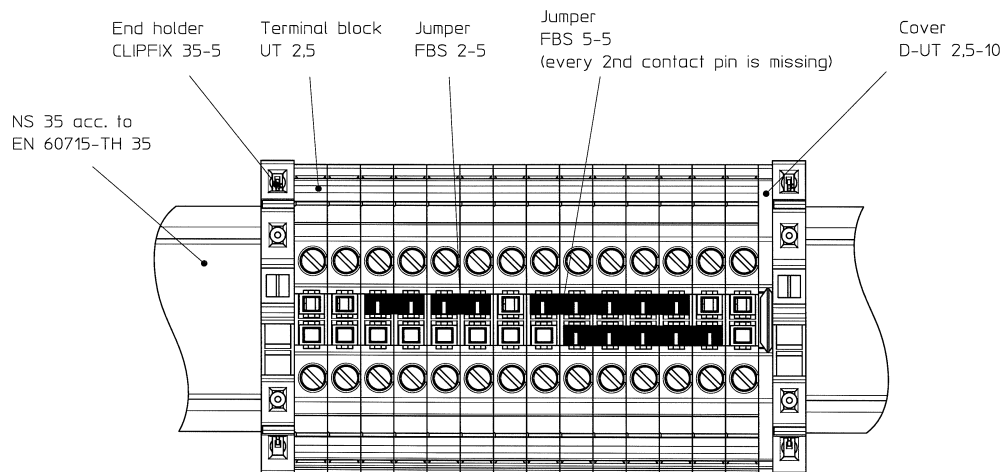
When assembling with other certified series and sizes of terminal blocks and using accessories designed for the purpose, the required creepage distances and clearances have to be observed.

When using the jumpers to achieve a skipped bridging the rated voltage is reduced to 352 V.  
When using cut-to-length plug-in bridges data and examples of use have to be observed as enclosure.

If conductors with smaller cross section than the rated cross section are used, the assigned lower current has to be specified in the EC-Type Examination Certificate of the complete apparatus.

The Terminal Blocks may be used, based on the self-heating when used at the nominal current and at ambient temperatures of -60 °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.



## Operational instructions – Intrinsic safety “i”

According to IEC/EN 60079-14, clause 12, modular terminal blocks are regarded as easy electric operating equipment for the use in intrinsically-safe circuits. A prototype test by a notified body and marking is not necessary. In case terminal blocks are marked in colour as part of an intrinsically-safe circuit or system, the colour has to be [light-blue](#).

The described terminal blocks have been tested and comply with the requirements of type of protection intrinsic safety according to IEC/EN 60079-0 and IEC/EN 60079-11 including the requirements to clearance and creepage distances as well as distances by solid insulation for circuits up to **60 V**.

These terminal blocks comply with the distances for the connection of separated intrinsically-safe circuits acc. to IEC/EN 60079-14, clause 12.2.3. The separation between the clamping units of intrinsically-safe and not intrinsically-safe circuits requires a distance of 50 mm, e.g. by a separating plate.

## Attestation of Conformity

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

2014/34/EU ATEX Directive

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


EN 60079-0:2012                      EN 60079-7:2007  
IEC 60079-0:2011 (Ed.6)            IEC 60079-7:2006 (Ed.4)

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

Notified Body:                      DEKRA Certification B.V.  
Address:                              Utrechtseweg 310, NL-6812 AR Arnhem, The Netherlands [Ident.-No.: 0344]  
Certificate:                          KEMA 04ATEX2048 U, 2012-11-30  
(No., Date)


Blomberg, 2016-04-20


  
\_\_\_\_\_  
i. A. Gerhard Leßmann  
Business Unit Industrial Cabinet  
Connectivity  
Ex-Representative


  
\_\_\_\_\_  
Ralf Berndt  
Business Unit Industrial Cabinet  
Connectivity  
Vice President

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  
Flachsmarktstraße 8  
32825 Blomberg  
Germany

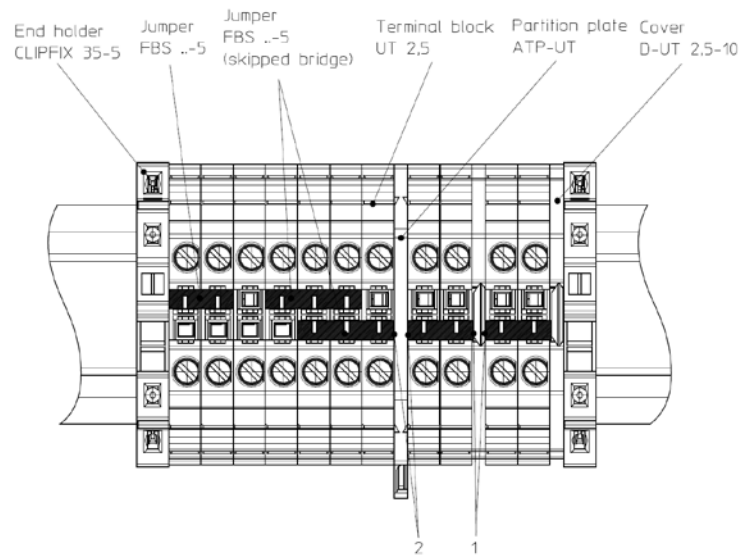
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## Enclosure

### Notes on the application of cut-to-length plug-in bridges



Depending on the separating plate between directly facing plug-in bridges, the rated voltages reduces to

- 1) 220V with D-UT 2,5-10
- 2) 275 V with ATP-UT4

when using cut-to-length plug-in bridges.

Other combinations as presented are not permissible and therefore not covered by the certificate.