# Terminal block UT

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|---|---|
| **Article description** | **UT 10** * |
| Article no. | 3044160 * |
| **EC-TYPE EXAMINATION CERTIFICATE**<br>**IECEx-CERTIFICATE** | **KEMA 04ATEX2048 U ***<br>**IECEx KEM 06.0027 U *** |
| Marking | 0344 Ex 2 II GD<br>Ex eb IIC<br>KEMA 04ATEX2048 U<br>IECEx KEM 06.0027 U |
| Assembly on mounting rails<br>Stripping length<br>Torque | NS 35 acc. to EN 60715-TH 35<br>10 mm<br>1,5 - 1,8 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<br>Rated voltage | 630 V<br>690 V | |
| Nominal current | 54 A (ΔT 40 K) | 57 A (ΔT 45 K) |
| Max. rated current | 69 A (ΔT 40 K) | 74 A (ΔT 45 K) |
| Temperature rise | 33 K (54 A / 6 mm²) | 37 K (58,1 A / 6 mm²) |
| Contact resistance | 0,14 mΩ | |
| **Connection capacity** | | |
| Rated cross-section | 10 mm² | AWG 8 |
| Max. conductor cross-section | 16 mm² | AWG 6 |
| Connectable conductor cross-section | 0,5 - 16 mm² rigid<br>0,5 - 10 mm² flexible | AWG 20 - 6<br>AWG 20 - 8 |

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

| | | |
|---|---|---|
| Rigid / flexible | 0,5 - 4 mm² | AWG 20 - 12 |

**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 | |
| Jumper | FBS 2-10 | 3005947 | Max. 54 A / 10 mm² ΔT 40 K<br>Max. 57 A / 10 mm² ΔT 45 K |
| Reducing bridge | RB UT 10-(2,5/4)<br>RB UT 10-ST(2,5/4) | 3047060<br>3047086 | Notes on the application see enclosure |

* 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.

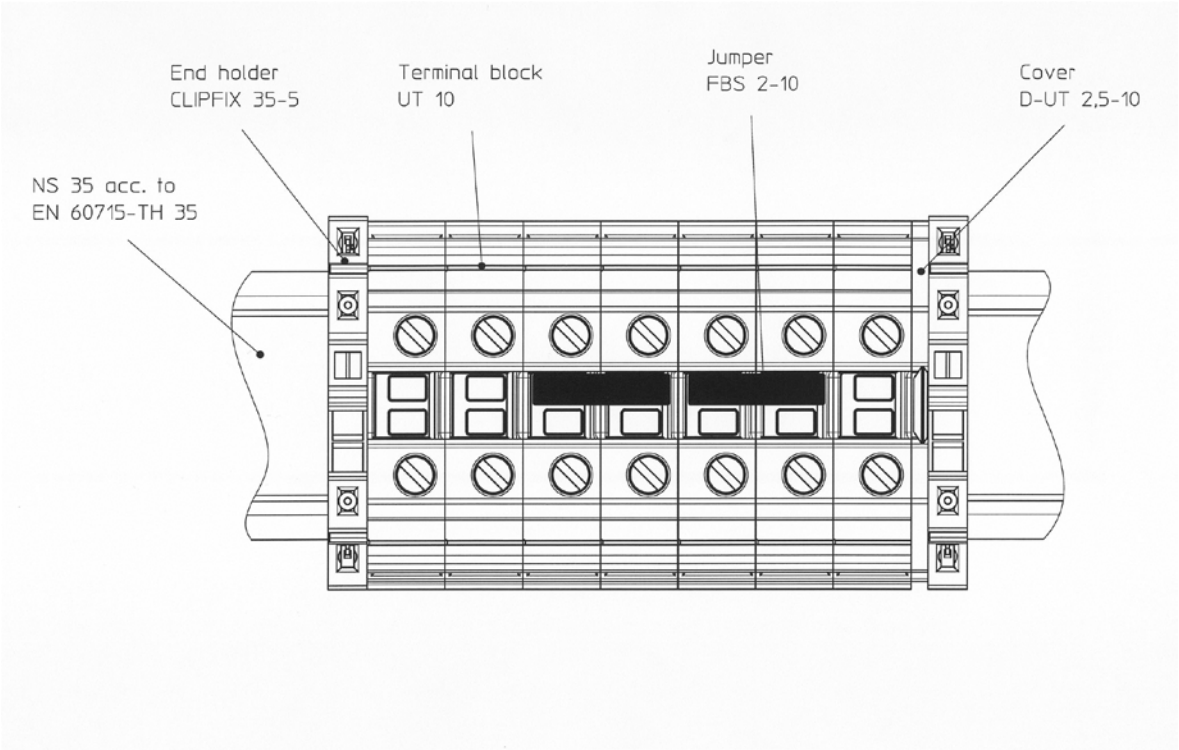
When assembling with other certified series and sizes of terminal blocks and using accessories designed for the purpose, the required creepage distances and clearances have to be observed.

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.

When using reducing bridges data and examples of use have to be observed as enclosure.

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):

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: (No., Date) | KEMA 04ATEX2048 U, 2012-11-30 |

Blomberg, 2016-04-20

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

ppa. R. R. M

**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.

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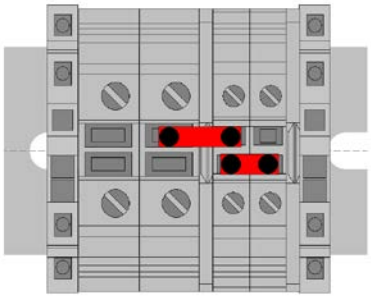
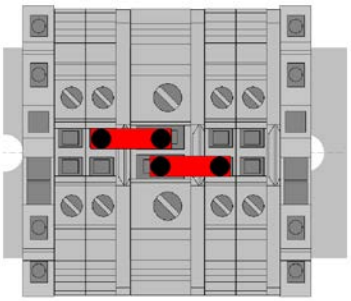
Enclosure

Notes on the application of reducing bridges

Bridging: one-sided two-sided





For power supplies, the maximum current carrying capacity of the smallest connected conductors must not be exceeded.

| **UT 10** | Max. load current [A] RB UT 10 (2,5/4) | | | | Max. load current [A] RB UT 10-ST(2,5/4) | | | |
|---|---|---|---|---|---|---|---|---|
| | T6 | | T5 to T1 | | T6 | | T5 to T1 | |
| | one-sided | two-sided | one-sided | two-sided | one-sided | two-sided | one-sided | two-sided |
| UT 2,5 | *32** | **53** | *32** | **58** | | | | |
| UT 4 | **30** | *59** | **32** | *57** | | | | |
| ST 2,5 | | | | | *30** | **65** | *32** | **71** |
| ST 4 | | | | | *29** | *59** | *31** | *57** |
| DT 2,5 | | | | | **23** | *47** | **25** | *48** |
| QTC 1,5 | | | | | *21** | *39** | *17** | *35** |
| QTC 2,5 | | | | | *25** | *47** | *24** | *48** |

***** *The values have been determined acc. to the temperature test of UT 6 and the required articles.*

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