

Terminal Block UK

Article description	UK 5 N *
Article no.	3004362 *
EC-TYPE EXAMINATION CERTIFICATE IECEx-CERTIFICATE	KEMA 98ATEX1651 U * IECEx KEM 06.0034 U *
Marking	Ex e II KEMA 98ATEX1651 U IECEx KEM 06.0034 U
Assembly on mounting rails	NS 32 acc. to EN 60715-G 32 NS 35 acc. to 60715-TH 35
Stripping length	8 mm
Torque	0,6 - 0,8 Nm
Assembly instructions	See page 2
Operating temperature range	-50 °C ... +110 °C



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

Rated insulation voltage	630 V / NS 35	500 V / NS 32
Rated voltage	690 V / NS 35	550 V / NS 32
Nominal current	32,5 A	
Max. rated current	37,5 A	

Connection capacity

Rated cross-section	4 mm ²	AWG 12
Max. conductor cross-section	6 mm ²	AWG 10
Connectable conductor cross-section	0,2 - 6 mm ² rigid 0,2 - 4 mm ² flexible	AWG 24 - 10 AWG 24 - 12

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

rigid / flexible	0,2 - 1,5 mm ²	AWG 24 - 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-UK 4/10	3003020	
Coverl	D-UK 16	3006027	
Partition plate	ATP-UK	3003224	
Fixed bridge bar	FB 2-6-EX	0201456	30 A / 4 mm ²
	FB 3-6-EX	0201469	34 A / 6 mm ²
	FB 10-6-EX	0203519	
Fixed bridge bar	FBI 10-6-EX	0203519	30 A / 4 mm ² 34 A / 6 mm ²
Chain bridge	KB-6-EX	0201485	27 A / 4 mm ² 32 A / 6 mm ²
Chain bridge	KBI-6-EX	0711849	27 A / 4 mm ² 32 A / 6 mm ²
Bridge rail with Distance piece	FB-150 / ZSR-EX	0201595 / 0200017	26 A / 4 mm ² 31 A / 6 mm ²

* valid for colour variants

Important assembly instructions – increased safety „e“

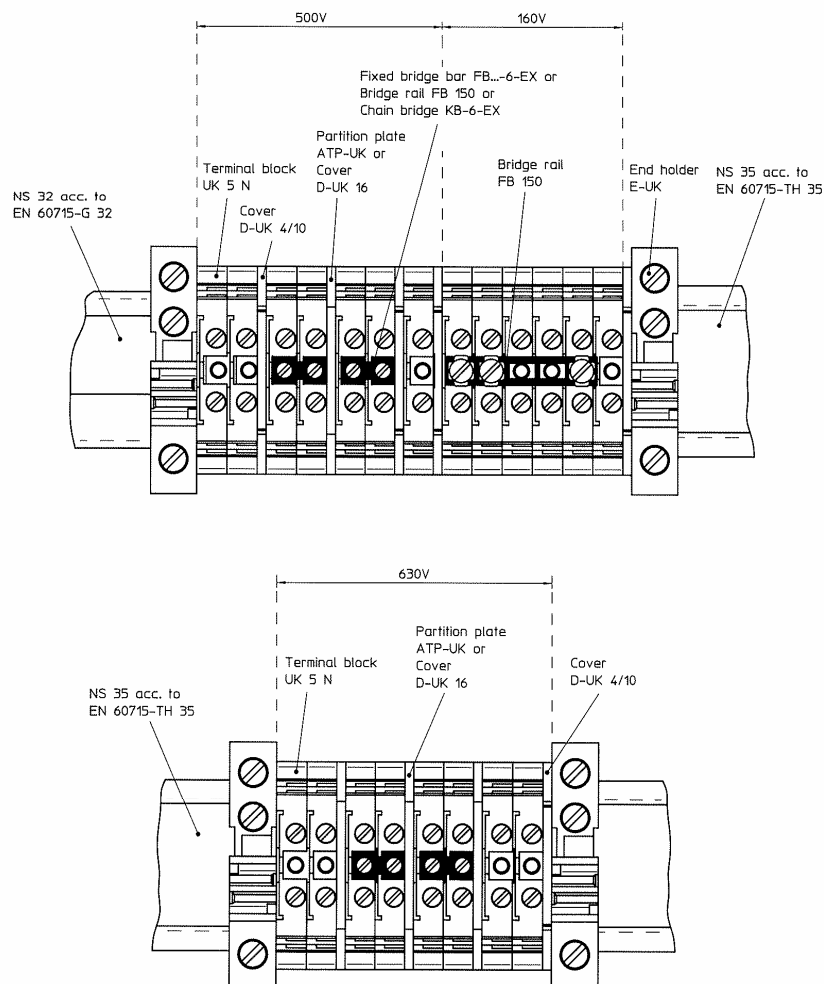
The Terminal Blocks are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to EN 60079-0 and EN 60079-7. For combustible dust these enclosures must satisfy the requirements according to EN 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.

If conductors with smaller cross section as the rated cross section are used, the belonging lower current has to be laid down 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 -50 °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”

EN 60079-14 Clause 12 describes modular terminal blocks as simple apparatus when used in intrinsically-safe circuits. Testing by a notified body and marking is not required. If terminal blocks be identifiable as part of an intrinsically circuit are marked by a colour, the colour used shall be **light blue**.

Testing for compliance to intrinsically safe requirements including clearance, creepage, and solid insulation distances specified in EN 60079-0 (EN 50014) and EN 60079-11 (EN 50020) have been performed for circuits up to **60 V**.

Compliance with distance requirements of EN 60079-14 Clause 12.2.3 for the connection of separated intrinsically-safe circuit accessories is met. A minimum distance of 50 mm to separate clamping units of intrinsically-safe and non intrinsically-safe circuits is required through the use of a separating plate or similar device.

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



+49 – (0) 52 35 – 3-00



+49 – (0) 52 35 – 3-4 12 00



www.phoenixcontact.com