Terminal Block UK

Article description	UK 5-TWIN *
Article no.	1923021 *
EC-TYPE EXAMINATION CERTIFICATE IECEx-CERTIFICATE	**KEMA 00ATEX2100 U * IECEx KEM 07.0035 U ***
Marking	0344 Ex 2 II GD Ex e II KEMA 00ATEX2100 U IECEx KEM 07.0035 U
Assembly on mounting rails	NS 32 acc. to EN 60715-G 32 NS 35 acc. to EN 60715-TH 35
Stripping length	8 mm
Torque	0,6 - 0,8 Nm
Assembly instructions	See page2
Operating temperature range	-50 °C ... +110 °C

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

Rated insulation voltage Rated voltage	250 V 275 V	
Nominal current	32 A	
Max. rated current	32 A	
Temperature rise	33 K (32 A / 4 mm²)	
Contact resistance	0,35 mΩ	
Connection capacity		
Rated cross-section	4 mm²	AWG 12
Max. conductor cross-section	4 mm²	AWG 12
Connectable conductor cross-section	0,2 - 4 mm² rigid and flexible	AWG 24 - 12

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

rigid / flexible	0,2 - 1,5 mm²	AWG 24 - 16

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 5-TWIN	1923034	
Cover segment	UK 5-TWIN	9911501	
Fixed bridge bar	FB 2-6-EX FB 3-6-EX FB 10-6-EX	0201456 0201469 0201281	Max. 27,5 A
Chain bridge	KB-6-EX	0201485	Max. 28 A
Insertion bridge	EB 2-6 EB 3-6 EB 10-6	0201155 0201142 0201139	Max. 29,5 A

* valid for colour variants

Important assembly instructions – increased safety „e“

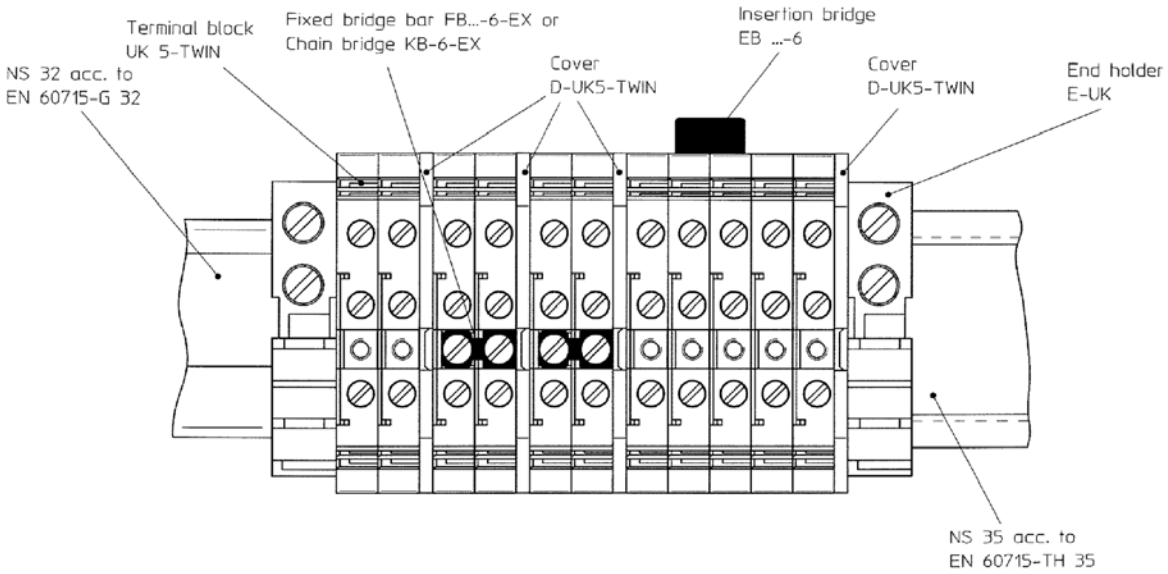
The Terminal Blocks are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to IEC/EN 60079-0 and IEC/EN 60079-7. For combustible dust these enclosures must satisfy the relevant requirements according to IEC/EN 60079-31.

When assembling with other certified series and sizes of terminal blocks and using 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"

IEC/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 IEC/EN 60079-0 and IEC/EN 60079-11 have been performed for circuits up to 60 V.

Compliance with distance requirements of IEC/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.

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 60079-0:2006 EN 60079-7:2007 EN 50281-1-1:1998 + A1

current eddition:)*

EN 60079-0:2012 *EN 60079-7:2007*
IEC 60079-0:2011 *IEC 60079-7:2015*

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: (No., Date)	KEMA 00ATEX2100 U, 2007-10-04

*) With the exception of the EPL marking, the minor respectively formal changes of the new edition of the mentioned standards do not affect the EHSRs. Consequently the terminal blocks still comply with the relevant requirements of the ATEX Directive.

Blomberg, 2016-05-17

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

Klaus Firschke
Business Unit Industrial Cabinet
Connectivity
Head of Product Marketing

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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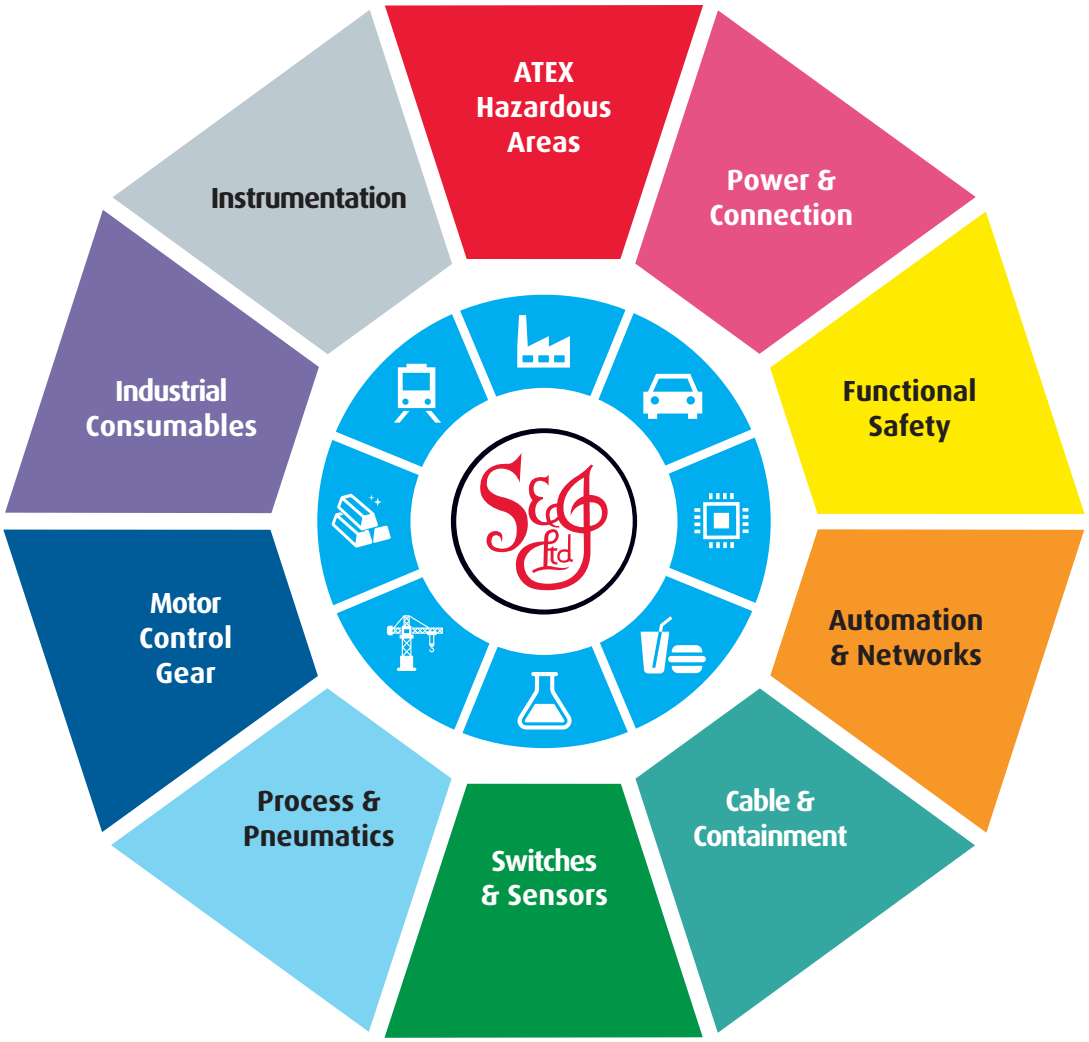

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