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UNITED KINGDOM CONFORMITY ASSESSMENT
UK-TYPE EXAMINATION CERTIFICATE

[2]

Component Intended for use on/in a Product or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

[3] UK-Type Examination Certificate No.: **UL21UKEX2334U Rev. 0**

[4] Component: **Terminal Blocks**
SRK (B)2,5/2A (/Z); SRK (B)4/2A(/Z); SRK (B)6/2A(/Z) and SRK (B)10/2A(/Z) with optional bridge SQI

Protective Conductor Terminal Blocks
SSL 2,5/2A; SSL 4/2A; SSL 6/2A; and SSL 10/2A

[5] Manufacturer: **CONTA-CLIP Verbindungstechnik GmbH**

[6] Address: **Otto-Hahn-Strasse 7, 33161 Hövelhof, Germany**

[7] This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] UL International (UK) Ltd, Approved Body number 0843, in accordance with Regulation 44 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.
The examination and test results are recorded in the confidential report **4790111598**.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN IEC 60079-7:2015 + A1:2018

Except in respect of those requirements listed at section 19 of the schedule to this certificate.

[10] The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as the basis for certification of an equipment or protective system.

[11] This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified component. Further requirements of the Regulations apply to the manufacturing process and supply of this component. These are not covered by this certificate.

[12] The marking of the component shall include the following:

 **II 2 GD Ex eb IIC Gb**

Certification Manager
David Lloyd

This is to certify that the sample(s) of the Product described herein (“Certified Product”) has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the Ex UK Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Regulations. The test results may not be used, in whole or in part, in any other document without UL’s prior written approval.

Date of issue: 2021-11-09

Approved Body UL International (UK) Ltd Unit 1-3 Horizon Kingsland Business Park Wade Road, Basingstoke RG24 8AH, UK
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Schedule

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[15] Description of Component

The Terminal Blocks (all colors) SRK (B)2,5/2A(/Z); SRK (B)4/2A(/Z); SRK (B)6/2A(/Z) and SRK (B)10/2A(/Z) with optional bridge SQI and Protective Conductor Terminal Blocks SSL 2,5/2A; SSL 4/2A; SSL 6/2A; and SSL 10/2A and accessories are intended for the connection of copper conductors in enclosures fulfilling the degree of protection which is required by the applied type of protection for the end-application.

The Terminal Blocks and Protective Conductor Terminal Blocks are intended for installation on mounting rails type TH 35 according to EN 60715

Temperature range

The operating temperature range is -40 °C to +85 °C.

Electrical data

Note 1: [,] is used as decimal separator

All values are values of terminal blocks without bridges, unless indicated otherwise.

Terminal Blocks:

Type	SRK (B) 2,5/2A(/Z)	SRK (B)4/2A(/Z)	SRK (B)6/2A(/Z)	SRK (B)10/2A(/Z)
Rated insulation voltage [V]	630	630	500	500
Rated voltage [V]	690	690	550	550
-with SQI intermediate bridging [V]	400	320	320	320
-with SQI adjacent bridging [V]	500	500	500	500
-with SQI double bridging [V]	125	125	100	100
Rated current [A]	30	41	57	76
-rated cross-section with SQI [A]	24	32	41	57
Temperature rise, maximum [K]	40 (33,6 A; 4 mm ²)	40 (45,3 A; 6 mm ²)	40 (64,4 A; 10 mm ²)	40 (83,7 A; 16 mm ²)
Contact resistance [mΩ]	2,63	1,44	3,34	1,68
Rated cross-section [mm ²] (AWG)	4 (12)	6 (10)	10 (8)	16 (6)
Connectable conductor cross-section				
-rigid [mm ²] (AWG)	0,5 – 4 (20-12)	0,5 – 6 (20-10)	0,5 – 10 (20-8)	1,5 – 16 (16-6)
-flexible [mm ²] (AWG)	0,5 – 4 (20-12)	0,5 – 6 (20-10)	0,5 – 10 (20-8)	1,5 – 16 (16-6)

Protective conductor terminal blocks

Type	SSL 2,5/2A	SSL 4/2A	SSL 6/2A	SSL 10/2A
Rated cross-section[mm ²] (AWG)	4 (12)	6 (10)	10 (8)	16 (6)
Connectable conductor cross-section				
-rigid [mm ²] (AWG)	0,5 – 4 (20-12)	0,5 – 6 (20-10)	0,5 – 10 (20-8)	1,5 – 16 (16-6)
-flexible [mm ²] (AWG)	0,5 – 4 (20-12)	0,5 – 6 (20-10)	0,5 – 10 (20-8)	1,5 – 16 (16-6)

NomenclatureTerminal Blocks

SRK (B) 2,5 / 2A (/Z)
I II III IV V

Designation	Explanation	Value	Explanation
I	Type indicator	SRK	Feed through terminal
II	Block formation	-	Block formation with snap foot
		B	Block formation without snap foot
III	Rated cross section	2,5	4 mm ² , 12 AWG
		4	6 mm ² , 10 AWG
		6	10 mm ² , 8 AWG
		10	16 mm ² , 6 AWG
IV	Amount of connections	2A	2 connections
V	Connecting pin	-	No connection pin
		/Z	With connecting pin, to connect the housing together (not for 'B')

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Protective Conductor Terminal Blocks

SSL 2,5 2A
I II III

Designation	Explanation	Value	Explanation
I	Type indicator	SSL	Protective Conductor Terminal Block
II	Rated cross section	2,5	4 mm ² , 12 AWG
		4	6 mm ² , 10 AWG
		6	10 mm ² , 8 AWG
		10	16 mm ² , 6 AWG
III	Amount of connections	2A	2 connections

Routine tests

None

[16] Test Report No. (associated with this certificate issue)
ExTR Reference Number NL/DEK/ExTR12.0008/01

[17] Schedule of Limitations:

- The Terminal Blocks and Protective Conductor Terminal Blocks shall be mounted in a certified enclosure that meets the requirements of a type of protection as specified in EN 60079-0 clause 1, with a degree of protection at least as required for Ex e. For combustible dust these enclosures must satisfy the requirements according to EN 60079-0 and EN 60079-31.
- When assembling with other certified series and sizes and using the associated accessories, the required creepage distances and clearances have to be observed.
- The installation instruction of the manufacturer shall be followed e.g., for the use of cover, jumpers, end brackets. The data regarding current and associated temperature rise shall be used as guideline for the given conductor cross sections. The cross section has influence on the temperature rise which shall be assessed in the end application.
- If the Terminal Blocks are used in electrical equipment 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.
- If Terminal Blocks are used in electrical equipment of temperature classes T6 the permissible ambient temperature range is $-40\text{ °C} < T_{amb} < +40\text{ °C}$.

[18] Conditions of certification:
None

[19] Essential Health and Safety Requirements (Regulations Schedule 1)
In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

The manufacturer shall inform the approved body concerning all modifications to the technical documentation as described in Annex III to UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1.

[20] Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Construction Drawings			
SRK 2,5 mm²			
Terminal block SRK 2,5 mm ² page 1	SRK25_2A_STRECK EN_60079	02	03.02.20
Treminal block SRK 2,5 mm ² page 2		01	05.11.19
Reihen клемме SRK 2,5 mm ²	SRK25_2A	-	14.03.08
Isoliergehause	SRK25ISO_2A	05	16.08.11
Stromschiene	SRK25STS_2A	01	03.03.10
Zugbuegel	SRK25ZB_2A	-	04.05.09
Blockklemme SRK 2,5 mm ²	SRK25B_2A	-	14.03.08
Isoliergehause	SRK25BISO_2A	05	16.08.11
Reihen клемме mit zapfen SRK 2,5 mm ²	SRK25Z_2A	-	14.03.08
Isoliergehause	SRK25ZISO_2A	05	16.08.11
SRK 4 mm²			
Terminal block SRK 4 mm ² page 1	SRK40_2A_STRECK	02	03.02.20



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Title:	Drawing No.:	Rev. Level:	Date:
Terminal block SRK 4 mm ² page 2	EN_60079	01	05.11.19
Reihen клемме SRK 4 mm ²	SRK40_2A	-	21.02.08
Isoliergehause	SRK40ISO_2A	04	16.08.11
Stromschiene	SRK40STS_2A	01	03.03.10
Zugbuegel	SRK40ZB_2A	-	21.02.08
Blockklemme SRK 4 mm ²	SRK40B_2A	-	21.02.08
Isoliergehause	SRK40BISO_2A	04	16.08.11
Reihen клемме mit zapfen SRK 4 mm ²	SRK40Z_2A	-	21.02.08
Isoliergehause	SRK40ZISO_2A	04	16.08.11
SRK 6 mm²			
Terminal block SRK 6 mm ² page 1	SRK60_2A_STRECK	02	03.02.20
Terminal block SRK 6 mm ² page 2	EN_60079	01	05.11.19
Reihen клемме SRK 6 mm ²	SRK60_2A	-	07.03.08
Isoliergehause	SRK60ISO_2A	05	16.08.11
Zugbuegel	SRK60ZB_2A	-	07.09.07
Stromschiene	SRK60STS_2A	01	03.03.10
Blockklemme SRK 6 mm ²	SRK60B_2A	-	07.03.08
Isoliergehause	SRK60BISO_2A	05	16.08.11
Reihen клемме mit zapfen SRK 6 mm ²	SRK60Z_2A	-	07.03.08
Isoliergehause	SRK60ZISO_2A	05	16.08.11
SRK 10 mm²			
Terminal block SRK 10 mm ² page 1	SRK100_2A_STREC KEN_60079	02	03.02.20
Terminal block SRK 10 mm ² page 2		01	05.11.19
Reihen клемме SRK 10 mm ²	SRK100_2A	-	06.09.07
Isoliergehause	SRK200ISO_2A	05	16.08.11
Stromschiene	SRK100STS_2A	-	07.09.07
Zugbuegel	SRK100ZB_2A	01	16.06.08
Blockklemm SRK 10 mm ²	SRK100B_2A	-	06.09.07
Isoliergehause	SRK100BISO_2A	05	16.08.11
Reihen клемме mit zapfen SRK 10 mm ²	SRK100Z_2A	-	06.09.07
Isoliergehause	SRK100ZISO_2A	05	16.08.11
SSL 2,5 mm²			
Schutzleiterklemme SSL 2,5 mm ²	SSL25	-	14.03.08
Isoliergehause SSL 2,5 mm ²	SSL25_ISO	05	16.08.11
Schutzleiterbuegel SSL 2,5 mm ²	SSL25KLB	03	26.04.11
SSL 4 mm²			
Schutzleiterklemme SSL 4 mm ²	SSL40	-	21.02.08
Isoliergehause SSL 4 mm ²	SSL40_ISO	04	16.08.11
SSL 6 mm²			
Schutzleiterklemme SSL 6 mm ²	SSL60	-	07.03.08
Isoliergehause SSL 6 mm ²	SSL60_ISO	03	11.01.10
Stromschiene SSL 6 mm ²	SSL60STS	01	03.03.10
SSL 10 mm²			
Schutzleiterklemme SSL 10 mm ²	SLL100	-	06.09.07



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Title:	Drawing No.:	Rev. Level:	Date:
Isoliergehause SSL 10 mm ²	SSL100_ISO	05	16.08.11
Stromschiene SSL 10 mm ²	SSL100STS	-	07.09.07
Installation Instructions			
Installation Instructions and conditions for safe use – SRK/SSL 2,5/2A	SRK/SSL 2,5/2A	03	10.2021
Installation Instructions and conditions for safe use – SRK/SSL 4/2A	SRK/SSL 4/2A	03	10.2021
Installation Instructions and conditions for safe use – SRK/SSL 6/2A	SRK/SSL 6/2A	03	10.2021
Installation Instructions and conditions for safe use – SRK/SSL 10/2A	SRK/SSL 10/2A	03	10.2021
Datasheet Ex-Components Non-metallic			
Technical information UL-Listing von WELLAMID 6600	-	003	10.06.2011
Routine test			
Test instruction Atex terminal block (translation only)	No. 75	3	30.01.2020
Marking Details			
Markings SRK 2,5 to 10 Series UKEX-ATEX-IECEX	Marking SRK 2_5 – SRK 10 UKCA 2021-11-04.doc	-	04.11.2021
Markings SSL 2,5 to 10 Series UKEX-ATEX-IECEX	Marking SLL 2_5 – SLL 10 UKCA 2021-11-04.doc	-	04.11.2021
Transport-Label SRK	Etikett_Transportkart on 2019-12-02.docx	-	2019-12-02
Quality-Control-Sheet	Quality-Control-List	-	2019-12-17