UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UK TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in a Product or Protective System for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **CSAE 22UKEX1188U** Issue: **0**

4 Product: **Terminal blocks Types SSK 0525, SSK 110, SSK 116 and SSK 135**

5 Manufacturer: **PHOENIX CONTACT GmbH & Co. KG**

6 Address: Flachsmarktstraße 832825
Blomberg
Germany

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 reports listed in Section 14.2.

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

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

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 The sign “U” placed after the certificate number 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. Any limitations are listed in Section 15.

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

12 The marking of this product shall be in accordance with Regulation 41 and include the following:

II 2GD
Ex eb IIC Gb

Name: Michelle Halliwell
Title: Director of Operations

13 DESCRIPTION OF PRODUCT

Terminal blocks Types SSK 0525, SSK 110, SSK 116 and SSK 135 with accessories (end cover type D-SSK * KER and chain bridge type KBI-*), used for the connection of copper conductors in equipment in type of protection increased safety “e”. Insulating materials are made of ceramics.

The terminal blocks are snapped onto mounting rail type NS 32 to EN 60715-G 32.

Operating temperature range -60°C to +180°C.

Technical Data:

	Type SSK 0525	Type SSK 110
Rated insulation voltage	400 V	400 V
Rated voltage	440 V	440 V
Rated current	28 A	36,5 A
Maximum current	28 A	49 A
Maximum current cross-connectors	28 A (4 mm^2)	49 A (10 mm^2)
Rated cross-section	4 mm^2	6 mm^2
Connectable conductor cross-section	0,2 - 4 mm^2 (rigid) 0,25 - 4 mm^2 (flexible)	0,5 - 10 mm^2 (rigid) 0,5 - 6 mm^2 (flexible)
Temperature rise	40 K (31,3 A / 4 mm^2)	40 K (40,3 A / 6 mm^2)
Contact resistance	0,94 mΩ	0,74 mΩ
	Type SSK 116	Type SSK 135
Rated insulation voltage	400 V	500V
Rated voltage	440 V	550V
Rated current	55 A	101 A
Maximum current	64,5 A	113 A
Maximum current cross-connectors	55 A (10 mm^2)	100 A (35 mm^2)
Rated cross-section	10 mm^2	25 mm^2
Connectable conductor cross-section	0,5 - 16 mm^2 (rigid) 0,5 - 10 mm^2 (flexible)	1 - 35 mm^2 (rigid) 1 - 25 mm^2 (flexible)
Temperature rise	40 K (60,9 A / 10 mm^2)	40 K (116,5 A / 25 mm^2)
Contact resistance	0,23 mΩ	0,2 mΩ

Instructions:

The instructions provided with the product shall be followed in detail to assure safe operation.

The product description includes the following applicable amendments, only amendments directly applicable to UKCA certification have been included in this list.

The amendments are numbered to include a reference to the previous ATEX variation at which these were introduced.

1a due to modification of end plate type D-SSK 135-KER, the rated insulation voltage of terminal type SSK 135 is reduced to 500 V.

2a To permit the removal of Protective conductor terminal blocks Types SLK 4-EX, SLK 10-EX, SLK 16-EX and SLK 35-EX from the scope of the certificate. As a result, the Equipment title & Certificate Schedule were revised to remove reference to these components and the associated certification documents listed in NL/KIWA/ExTR17.0015/01 were made obsolete.

2b Permit a minor change to the maximum current cross-connectors specified for Type SSK 116 terminal.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	09 August 2022	R80128634A	The release of the prime certificate.

15 SCHEDULE OF LIMITATIONS

15.1 The terminals have a service temperature range of -60°C to +180°C.

15.2 The terminals shall be mounted in an enclosure having one of the specific types of protection mentioned in EN IEC 60079-0, section 1.

15.3 When mounted in an enclosure with type of protection Increased Safety “e”, the clearances and creepage distances to other live parts shall fulfil the requirements of EN IEC 60079-7, Table 2.

15.4 When accessories are used, the instructions provided by the manufacturer shall be observed.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.

17 PRODUCTION CONTROL

17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders

Certificate Annexe

Certificate Number: **CSAE 22UKEX1188U**

Product: **Terminal blocks Types SSK 0525, SSK 110, SSK 116 and SSK 135**

Manufacturer: **PHOENIX CONTACT GmbH & Co. KG**

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
00300581	1 of 1	04	21 Jan 22	SSK 0525 KER-Ex
00300900	1 of 1	02	21 Jan 22	SSK 110 KER-Ex
00300989	1 of 1	02	21 Jan 22	SSK 116 KER-Ex
00305540	1 of 1	05	21 Jan 22	SSK 135 KER-Ex
00300580	1 of 1	06	12 Jul 22	SSK 0525-KER-Ex
00300899	1 of 1	04	12 Jul 22	SSK 110 KER-EX
00300988	1 of 1	04	12 Jul 22	SSK 116 KER-EX
00305539	1 of 1	05	12 Jul 22	SSK 135 KER-EX
MNR 01018802 - 01	1 to 2	2022-07-14	15 Jul 22	Installation notes for electrically skilled persons SSK 0525 KER-Ex
MNR 01018803 - 01	1 to 2	2022-07-14	15 Jul 22	Installation notes for electrically skilled persons SSK 110 KER-Ex
MNR 01018805 - 01	1 to 2	2022-07-14	15 Jul 22	Installation notes for electrically skilled persons SSK116 KER-Ex
MNR 01018806 - 01	1 to 2	2022-07-14	15 Jul 22	Installation notes for electrically skilled persons SSK135 KER-Ex