1 # 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) – Schedule 3A, Part 1

3	UK-Type Examination Certificate Number:	**SGS25UKEX0068U Issue 0**
4	Product:	**Terminal and connection system type CS-150-UNI-PI**
5	Manufacturer:	**Chemelex Belgium NV**
6	Address:	**Research Park Haasrode - Zone 2, Romeinse straat 14, B-3001 Leuven, Belgium**

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

8 SGS United Kingdom Ltd. (formerly SGS Baseefa Ltd.), Approved Body number 1180, in accordance with Regulations 42 and 43 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 a confidential report identified in the revision table at item 20.

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+A1:2018-01 EN 60079-31:2013

except in respect of those requirements listed at item 18 of the Schedule.

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 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 the product shall include the following:

II 2 G Ex eb IIC Gb

II 2 D Ex tb IIIC Db

SGS Customer Reference No. **5034** Project File No. **21/0319**

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UKAS PRODUCT CERTIFICATION
0191

D BREARLEY
LEAD CERTIFICATION ENGINEER

13 # Schedule

14 ## Certificate Number SGS25UKEX0068U– Issue 0

15 Description of Product

CS-150-UNI-PI is a universal low profile heating cable connector for the direct connection of XPI, XPI-S and XPI-F series heating cables. It can be used in different configurations: for the connection of a cold lead to a heating cable (Variant C), as an under insulation connecting system for the connection of a three core power cables to a heating cable loop (Variant L), as well as for splicing two heating cables (Variant S).

Technical data

Max. voltage:	
Variant S and C	750 Vac
Variant L	420 Vac
Max. current:	
Variant S	32 A
Variant C with 1 x 2.5mm^2 cold lead	25 A
Variant C with 1 x 4mm^2 cold lead	32 A
Variant L with 3 x 2.5mm^2 cold lead	25 A
Min. installation temperature	-50°C
Max. ambient temperature	+40°C
Max. operating temperature:	
Power on	+180°C
Power off	+210°C

16 Report Number

See Item 20 – Certificate History

17 Schedule of Limitations

1. CS-150-UNI-PI is used for installation with single core plastic insulated heating conductors, and the kit is for one time use only.
2. Only heating conductors should be used that are provided with a separate IECEx, ATEX or UKEX certificate. The installation instructions and technical data provided have to be considered.
3. The manufacturer shall prove that suitable measures have to be taken to safeguard safe and permanent clamping of heating conductors of a small across section.
4. The temperature class of each heat-tracing system shall be established separately.
5. The specific heating rate of the heating system shall be established with due regard to the voltage and spec. conductor resistance variations. Due regard shall also be given to the permissible current ratings.
6. The connecting cable(s) shall be selected with due regard, above all, to the maximum current rating, the permissible diameter of the rubber gaskets and the temperature conditions.
7. The required rubber gaskets shall be selected on the basis of the specifications in the installation instructions.
8. The installation of CS-150-UNI-PI shall be done by suitably trained installer, and the Chemelex installation instruction must be followed at all times.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

Other than for Issue 0, Drawings and Documents that are introduced at a new edition of the certificate are marked with an asterisk symbol:

Number	Sheet	Issue	Date	Description
K-20081203-01		F	15/03/2021	Assembly Drawing and Kit Content CS-150-6-PI Manufacturing typical
K-20081205-01		F	15/03/2021	Assembly Drawing of CS-150-25-PI Manufacturing Typical
K-20081205-02		F	15/03/2021	Assembly Drawing and Kit Content CS-150-2.5-PI Manufacturing Typical
907679		G	15/07/2025	SFP-CW-SPLICE-BODY CS-150-UNI-PI
907637-A	1-5	E	5/05/02	CS-150-UNI-PI (Approval Drawing)

20 Certificate History

Certificate No.	Date	Comments
SGS25ATEX0068U Issue 0	12 May 2026	**Prime Certificate** **Report Number: 21(C)0319-7** **Project Number: 21/0319** **Original issue of the certificate**
For drawings applicable to each issue, see original of that issue.		