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:	**SGS25UKEX0069U Issue 0**
4	Product:	**Coupler type CS-150-..-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 60079-30-1:2017

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:

Ex **II 2 G Ex 60079-30-1 IIC Gb**

Ex **II 2 D Ex 60079-30-1 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 SGS25UKEX0069U– Issue 0

15 Description of Product

CS-150-xx-PI is a connection sleeve for polymer-insulated single wire plastic heating cable. CS-150-xx-PI is designed to connect a PI cold lead cable to a XPI series heating cable as well as a splice two XPI heating cables.

Technical data

Rated voltage	XPI and XPI-S	450/750 Vac (U_o/U)
	XPI-F	300/500 Vac (U_o/U)
Rated current (for use with cold lead)*	2.5mm^2	32A
	6mm^2	54A
	25mm^2	129A
Rated current (for use as splice)	The max. allowed current is to be determined by the cable type and parameters like specific power and exposure temperature	
Resistance range**	0.8…8000 ohm/km	

* for more information see instruction manual
** depending on the heating cable used

Nomenclature

CS-150-xx-PI
xx stands for the area of the connecting sleeve: max. 2,5 mm² / 4 ... 6 mm² / 10 ... 25 mm²

16 Report Number

See Item 20 – Certificate History

17 Schedule of Limitations

1. The temperature class has to be defined in the Certificate for the heating system.
2. The connection sleeve must be fixed. To avoid tensile stresses, the heating- and connection cables have to be fixed directly next to the sleeve.
3. The minimum bend radius is 2.5x the cable diameter for cables less than or equal to 6mm in diameter or the minimum bend radius is 6x the cable diameter for cables greater than 6mm in diameter.
4. The XPI- or XPI-F-cable is for use in areas with low risk of mechanical damage, therefore appropriate installation consideration shall be taken. The XPI-S-cable is for use in areas with normal risk of mechanical damage.
5. The electrical crimp connections have to be performed with the PI-TOOL-xx.
6. The manufacturer’s operating instructions must be complied with.

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-051006-01		I	21/07/2025	Hard-PTFE-83.10-MG-G Manufacturing Typical
K-051006-02		I	21/07/2025	Hard-PTFE-83.11-MG-G Manufacturing Typical
K-051006-03		I	12/01/2026	Hard-PTFE-83.12-MG-G Manufacturing Typical
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

20 Certificate History

Certificate No.	Date	Comments
SGS25ATEX0069U 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.		