



# eurofins



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## Trade Agent Report

<b>Certificates</b>	<b>CML 23ATEX3462</b>	<b>CML 23ATEX3463</b>	<b>CML 23ATEX3464</b>
	<b>CML 23ATEX3465</b>		
<b>Title</b>	<b>See section 1.1</b>		
<b>Applicant</b>	<b>Dirac Industries s.r.o.,</b>		
<b>Report</b>	<b>R17043A/00</b>		
<b>Date</b>	<b>January 2024</b>		



8175



## 1 Introduction

### 1.1 Certificates

The applicant has requested Trade Agent Certificates for the following products:

OEM details		Trade Agent details	
Product reference	OEM Cert No.	Product reference	Trade Agent Cert No.
Freezstop Super/FailSafe Super (FSS) and Freezstop Aviation (FSA) Self-Regulating Heating Cable	CML 19ATEX3377, Issue 3	DHT Self-Regulating Heating Wires	CML 23ATEX3463
FreezStop Regular/FailSafe Regular (FSR) Self-Regulating Heating Cable	CML 19ATEX3378, Issue 2	DLT Self-Regulating Heating Wires	CML 23ATEX3462
FreezStop Ultimo/FailSafe Ultimo (FSU) Self-Regulating Heating Cable	CML 19ATEX3385, Issue 3	DUT Self-Regulating Heating Wires	CML 23ATEX3464
FreezStop Ultimo Wide/FailSafe Ultimo Wide (FSUw) Self-Regulating Heating Cable	CML 19ATEX3386, Issue 3	DUTw Self-Regulating Heating Wires	CML 23ATEX3465

The products are identical to the products listed in the OEM certificate, other than product name, type references and product marking.

### 1.2 Descriptions

#### 1.2.1 DHT Self-Regulating Heating Wires

The DHT Self-Regulating Heating Wires comprises two parallel buswires housed within a semi-conductive self-limiting matrix. The semi-conductive self-limiting matrix is covered with a fluoropolymer insulation jacket which is then protected by an aluminium sheath or a metallic braid. An optional outer jacket of MFA, PFA or Silicone can be specified. The cables are rated at up to 100 W/m and 277 V.

The cable is intended to be cut to length on site and the equipment is designed to be connected to a supply by means of suitable certified cable entries and junction boxes (i.e. Ex e or Ex d) in accordance with the manufacturer's installation instructions. Termination can be made using any suitably certified type termination kit which fully isolate, insulate and seal the conductive cores.

#### 1.2.2 DLT Self-Regulating Heating Wires

The DLT Self-Regulating Heating Wires comprises two parallel buswires housed within a semi-conductive self-limiting matrix. The semi-conductive self-limiting matrix is covered with a thermoplastic insulation jacket which is then protected by an aluminium sheath or a metallic braid. An optional outer jacket of TPE, PE, PVDF, MFA, or PFA can be specified. The cables are rated at up to 50 W/m and 277 V.

The cable is intended to be cut to length on site and the equipment is designed to be connected to a supply by means of suitable certified cable entries and junction boxes (i.e. Ex e or Ex d) in accordance with the manufacturer's installation instructions. Termination can be made using any suitably certified type termination kit which fully isolate, insulate and seal the conductive cores.

Description	Temperature
Max. continuous exposure temperature (Power ON)	85°C
Max. permissible exposure temperature (Power OFF)	85°C
Minimum installation temperature	-40°C

### 1.2.3 DUT Self-Regulating Heating Wires

The DUT Self-Regulating Heating Wires comprises two parallel buswires housed within a semi-conductive self-limiting matrix. The semi-conductive self-limiting matrix is covered with a fluoropolymer insulation jacket which is then protected by an aluminium sheath or a metallic braid. An optional outer jacket of MFA, PFA or Silicone can be specified. The cables are rated at up to 90 W/m and 277 V.

The cable is intended to be cut to length on site and the equipment is designed to be connected to a supply by means of suitable certified cable entries and junction boxes (i.e. Ex e or Ex d) in accordance with the manufacturer's installation instructions. Termination can be made using any suitably certified type termination kit which fully isolate, insulate and seal the conductive cores.

Description	Temperature
Max. continuous exposure temperature (Power ON)	250°C
Max. permissible exposure temperature (Power OFF)	250°C
T- Rating	T3 up to and including 75 W/m
	T2 above 75 W/m
Minimum installation temperature	-40°C

### 1.2.4 DUTw Self-Regulating Heating Wires

The DUTw Self-Regulating Heating Wires comprises two parallel buswires housed within a semi-conductive self-limiting matrix. The semi-conductive self-limiting matrix is covered with a fluoropolymer insulation jacket which is then protected by an aluminium sheath or a metallic braid. An optional outer jacket of MFA, PFA or Silicone can be specified. The cables are rated at up to 140 W/m and 277 V.



The cable is intended to be cut to length on site and the equipment is designed to be connected to a supply by means of suitable certified cable entries and junction boxes (i.e. Ex e or Ex d) in accordance with the manufacturer's installation instructions. Termination can be made using any suitably certified type termination kit which fully isolate, insulate and seal the conductive cores.

Description	Temperature
Max. continuous exposure temperature (Power ON)	250°C
Max. permissible exposure temperature (Power OFF)	250°C
T- Rating	T3 up to and including 75W/m
	T2 above 75W/m
Minimum installation temperature	-40°C





### 1.3 Marking

The products are marked with the following information:

#### 1.3.1 DHT Self-Regulating Heating Wires

Item	Detail
Manufacturer name or registered trade mark	DIRAC INDUSTRIES
Address	K Automobilce 585, Kolin – Sedražice, 280 02, Czech Republic
Type identification	DHT**-**
Serial No and year of manufacture	YYXXXXXX
ATEX certificate number	CML 23ATEX3463
CE mark Notify Body No.	 1026
ATEX marking	 II 2GD
Code	Ex 60079-30-1 IIC T* Gb Ex 60079-30-1 IIIC T***C Db Refer to certificates for temperature class and maximum surface temperature
Withstand Temperature Range	-40°C to +225°C
Rating	(Refer to Drawing DHT marking)
Warnings/Informative markings	Warning: Ensure that the circuit is correctly earthed to a suitable terminal

A copy of the nameplates are shown below, for the marking shown on the print string refer to documents listed in section 1.10.1.

Circuit reference Tag number		Circuit Length		m
Serial number/Year of manufacture	YYXXXXXX	 nnnn	 II 2 GD	
ATEX certificate number	XXX YYATEXNNNN	Ex Markings Ex 60079-30-1 IIC T	Gb	
Min withstand temperature	-40°C	Ex 60079-30-1 IIIC T	°C Db	
Design Voltage	V	IP Rating	IP67	
Other markings required by ATEX directive 2014/34/EU and UK statutory requirements SI 2016 No. 1107 (as amended)		Max withstand temperature	225 °C	
		Design Loading	W	
Warning: Ensure that the circuit is correctly earthed to a suitable terminal				
Product Name	DHT15-2CT		 <small>YOUR GLOBAL SOLUTION PARTNER</small> <small>ELECTRIC HEATING - CONTROL WIRING - METALWORKS</small>	
K Automobilce 585, Kolin – Sedražice, 280 02, Czech Republic				

YOUR GLOBAL SOLUTION PARTNER

**DIRAC INDUSTRIES**  
ELECTRIC HEATING - CONTROLWIRING - METALWORKS


Serial Number **12345678**

Type: **DHT15-2CT**  
DIRAC high temperature, 45W/m, 230V, braided, fluoropolymer overjacket Heating cable



Length	Reel Dimensions	
<b>300m</b>	<b>75(l) x 22(w) x 75(h)cms</b>	
	Gross Weight	Nett Weight
Customer	Voltage (V)	230
ABC Cables	Watts (W)	45
Customer Order No.	Node Pitch (m)	
2596	Conductor (mm <sup>2</sup> )	
DIRAC Order No.	Non DC Resis @20°C	
Phase Description	Non DC Cond (Siemens/m)	
Hazardous Area Cert	Max Withstand Temp (°C)	
Resistance @20°C (Ohms)	Max Circuit length (m)	
	CML	23ATEX3463
	Start	End

QR Code

DIRAC Industries s.r.o., K Automobilce 585,  
Kolin, 280 02, Czech Republic  
www.diracindustries.com


1026

### 1.3.2 DLT Self-Regulating Heating Wires

Item	Detail
Manufacturer name or registered trade mark	DIRAC INDUSTRIES
Address	K Automobilce 585, Kolin – Sedražice, 280 02, Czech Republic
Type identification	DLT**-**
Serial No and year of manufacture	YYXXXXXX
ATEX certificate number	CML 23ATEX3462
CE mark Notify Body No.	 1026
ATEX marking	 II 2GD
Code	Ex 60079-30-1 IIC T* Gb Ex 60079-30-1 IIIC T**°C Db Refer to certificates for temperature class and maximum surface temperature
Withstand Temperature Range	-40°C to +85°C
Rating	(Refer to Drawing DLT marking)



Item	Detail
Warnings/Informative markings	Warning: Ensure that the circuit is correctly earthed to a suitable terminal

A copy of the nameplates are shown below, for the marking shown on the print string refer to documents listed in section 1.10.1.

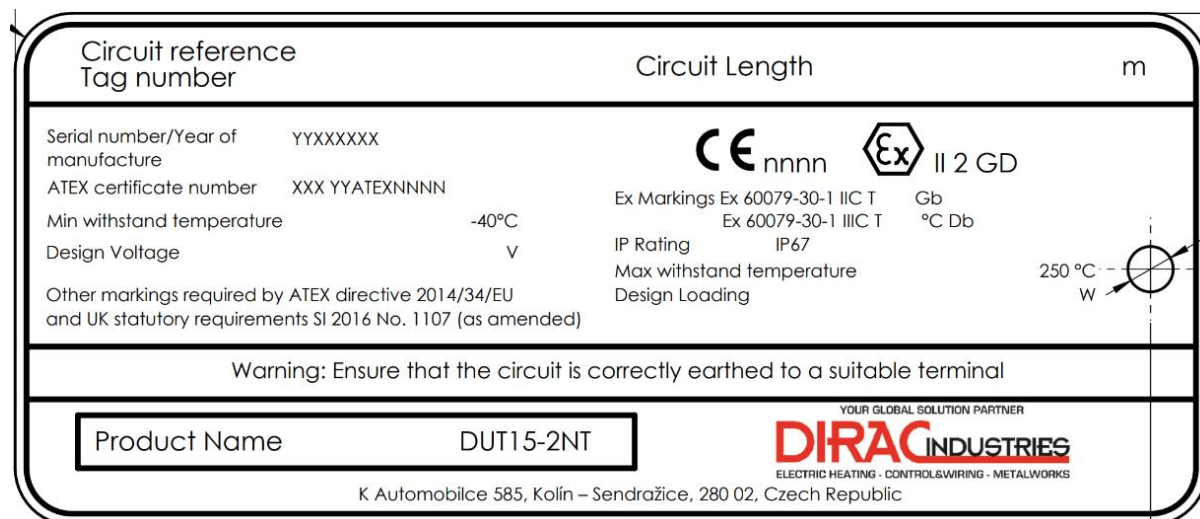
Circuit reference Tag number	Circuit Length	m
Serial number/Year of manufacture YYXXXXXX	nnnn	II 2 GD
ATEX certificate number XXX YYATEXNNNN	Ex Markings Ex 60079-30-1 IIC T	Gb
Min withstand temperature -40°C	Ex 60079-30-1 IIIC T	°C Db
Design Voltage V	IP Rating IP67	
Other markings required by ATEX directive 2014/34/EU and UK statutory requirements SI 2016 No. 1107 (as amended)	Max withstand temperature Design Loading	85 °C W
Warning: Ensure that the circuit is correctly earthed to a suitable terminal		
Product Name	DLT10-2CT	
YOUR GLOBAL SOLUTION PARTNER  ELECTRIC HEATING - CONTROLWIRING - METALWORKS K Automobilce 585, Kolín – Sendražice, 280 02, Czech Republic		

YOUR GLOBAL SOLUTION PARTNER  ELECTRIC HEATING - CONTROLWIRING - METALWORKS	
Serial Number	12345678
Type:	DLT10-2CT
DIRAC low temperature, 31W/m, 230V, braided, fluoropolymer overjacket Heating cable	
Length	Reel Dimensions
300m	75(l) x 22(w) x 75(h) cms
	Gross Weight    Net Weight
Customer	Voltage [V]    230
ABC Cables	Watts [W]    31
Customer Order No.	Node Pitch [m]
2596	Conductor [mm <sup>2</sup> ]
DIRAC Order No.	Non DC Resis @20°C
Phase Description	Non DC Cond [Siemens/m]
	Max Withstand Temp [°C]
Hazardous Area Cert	Max Circuit length [m]
	CML    23ATEX3462
Resistance @20°C [Ohms]	Start    End
QR Code	
DIRAC Industries s.r.o., K Automobilce 585, Kolín, 280 02, Czech Republic www.diracindustries.com	
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### 1.3.3 DUT Self-Regulating Heating Wires

Item	Detail
Manufacturer name or registered trade mark	DIRAC INDUSTRIES
Address	K Automobilce 585, Kolin – Sedražice, 280 02, Czech Republic
Type identification	DUT**_**
Serial No and year of manufacture	YYXXXXXX
ATEX certificate number	CML 23ATEX3464
CE mark Notify Body No.	 1026
ATEX marking	 II 2GD
Code	Ex 60079-30-1 IIC T* Gb Ex 60079-30-1 IIIC T**°C Db Refer to certificates for temperature class and maximum surface temperature
Withstand Temperature Range	-40°C to +250°C
Rating	(Refer to Drawing DUT marking)
Warnings/Informative markings	Warning: Ensure that the circuit is correctly earthed to a suitable terminal

A copy of the nameplate/label is shown below:



The nameplate contains the following information:

- Circuit reference Tag number** (blank)
- Circuit Length** (blank) m
- Serial number/Year of manufacture: YYXXXXXX
- ATEX certificate number: XXX YYATEXNNNN
- Min withstand temperature: -40°C
- Design Voltage: V
- Other markings required by ATEX directive 2014/34/EU and UK statutory requirements SI 2016 No. 1107 (as amended)
- CE mark: nnnn
- ATEX marking: Ex II 2 GD
- Ex Markings: Ex 60079-30-1 IIC T Gb, Ex 60079-30-1 IIIC T °C Db
- IP Rating: IP67
- Max withstand temperature: 250 °C
- Design Loading: W
- Warning: Ensure that the circuit is correctly earthed to a suitable terminal
- Product Name: DUT15-2NT
- Manufacturer: DIRAC INDUSTRIES, YOUR GLOBAL SOLUTION PARTNER, ELECTRIC HEATING - CONTROL&WIRING - METALWORKS
- Address: K Automobilce 585, Kolin – Sedražice, 280 02, Czech Republic

YOUR GLOBAL SOLUTION PARTNER

**DIRAC INDUSTRIES**  
ELECTRIC HEATING - CONTROL & WIRING - METALWORKS


Serial Number: **12345678**

Type: **DUT15-2NT**  
DIRAC ultra high temperature, 45W/m, 230V, braided, fluoropolymer overjacket Heating cable



Length	Reel Dimensions	
<b>300m</b>	75(l) x 22(w) x 75(h) cms	
Customer	Gross Weight	Nett Weight
ABC Cables		
Customer Order No.	Voltage (V)	230
2596	Watts (W)	45
DIRAC Order No.	Node Pitch (m)	
Phase Description	Conductor (mm <sup>2</sup> )	
Hazardous Area Cert	Non DC Resis @20°C	
Resistance @20°C (Ohms)	Non DC Cond (Siemens/m)	
	Max Withstand Temp (°C)	
	Max Circuit length (m)	
	CML	23ATEX3464
	Start	End

QR Code

DIRAC Industries s.r.o., K Automobilce 585,  
Kolin, 280 02, Czech Republic  
www.diracindustries.com



### 1.3.4 DUTw Self-Regulating Heating Wires

Item	Detail
Manufacturer name or registered trade mark	DIRAC INDUSTRIES
Address	K Automobilce 585, Kolin – Sedražice, 280 02, Czech Republic
Type identification	DUTw**_***
Serial No and year of manufacture	YYXXXXXX
ATEX certificate number	CML 23ATEX3465
CE mark Notify Body No.	
ATEX marking	
Code	Ex 60079-30-1 IIC T* Gb Ex 60079-30-1 IIIC T***C Db Refer to certificates for temperature class and maximum surface temperature
Withstand Temperature Range	-40°C to +250°C
Rating	(Refer to Drawing DUTw marking)



Item	Detail
Warnings/Informative markings	Warning: Ensure that the circuit is correctly earthed to a suitable terminal

A copy of the nameplate/label is shown below:

Circuit reference Tag number	Circuit Length	m
Serial number/Year of manufacture YYXXXXXX	<b>CE</b> nnnn	<b>Ex</b> II 2 GD
ATEX certificate number XXX YYATEXNNNN	Ex Markings Ex 60079-30-1 IIC T Gb Ex 60079-30-1 IIIC T °C Db	
Min withstand temperature -40°C	IP Rating IP67	250 °C W
Design Voltage V	Max withstand temperature Design Loading	
Other markings required by ATEX directive 2014/34/EU and UK statutory requirements SI 2016 No. 1107 (as amended)		
Warning: Ensure that the circuit is correctly earthed to a suitable terminal		
Product Name	DUTw33-2NT	
		YOUR GLOBAL SOLUTION PARTNER <b>DIRAC INDUSTRIES</b> ELECTRIC HEATING - CONTROLWIRING - METALWORKS
K Automobilce 585, Kolín – Sendražice, 280 02, Czech Republic		

YOUR GLOBAL SOLUTION PARTNER <b>DIRAC INDUSTRIES</b> ELECTRIC HEATING - CONTROLWIRING - METALWORKS	
Serial Number	<b>12345678</b>
Type:	<b>DUTw33-2NT</b>
DIRAC ultra high temperature-wide, 100W/m, 230V, braided, fluoropolymer overjacket Heating cable	
Length	Reel Dimensions
<b>300m</b>	75(l) x 22(w) x 75(h) cms
	Gross Weight
	Nett Weight
Customer	Voltage (V)
ABC Cables	Watts (W)
Customer Order No.	Node Pitch (m)
2596	Conductor (mm <sup>2</sup> )
DIRAC Order No.	Non DC Resis @20°C
Phase Description	Non DC Cond (Siemens/m)
Hazardous Area Cert	Max Withstand Temp (°C)
	Max Circuit length (m)
	CML
	23ATEX3465
Resistance @20°C (Ohms)	Start
	End
QR Code	
DIRAC Industries s.r.o., K Automobilce 585, Kolín, 280 02, Czech Republic www.diracindustries.com	
1026	

#### 1.4 Trade Agent's name & address

**Dirac Industries s.r.o.,**

K Automobilce 585, 280 02 Kolin – Sedražice, Czech Republic

#### 1.5 OEM's name & address

**Heat Trace Limited**

Mere's Edge, Chester Road, Helsby, Frodsham, Cheshire, WA6 0DJ, United Kingdom

#### 1.6 Trademark



#### 1.7 Equipment name/model number

DHT Self-Regulating Heating Wires

DLT Self-Regulating Heating Wires

DUT Self-Regulating Heating Wires

DUTw Self-Regulating Heating Wires

#### 1.8 Ratings

Refer to marking, Section 1.3.

#### 1.9 Assessment standards

The standards for the Trade Agent certificate(s) are the same as those for the OEM certificate(s); see below:

<b>ATEX</b>
EN IEC 60079-0:2018
EN 60079-30-1:2017

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation but have been applied under CML's flexible scope of accreditation, which is available on request. Where applicable, any such standards have been verified to fall within the bounds of CML's flexible scope of accreditation and are marked with an asterisk.

RvA accreditation for CML BV ATEX certificates does not use a flexible scope.

## 1.10 Documentation

### 1.10.1 Technical documents

#### 1.10.1.1 DHT Self-Regulating Heating Wires

#	Drawing No	Sheets	Rev	Approved date	Title
01	DHT	1 to 6	A	17 Jan 2024	Self-regulating heating wires
02	-	1 of 1	A	17 Jan 2024	DRUM CABLE LABEL - FOR CABLE TYPE DHT
03	Label	1 of 1	A	17 Jan 2024	DHT ATEX Label

#### 1.10.1.2 DLT Self-Regulating Heating Wires

#	Drawing No	Sheets	Rev	Approved date	Title
01	DLT	1 to 6	A	17 Jan 2024	Self-regulating heating wires
02	-	1 of 1	A	17 Jan 2024	DRUM CABLE LABEL - FOR CABLE TYPE DLT
03	Label	1 of 1	A	17 Jan 2024	DLT ATEX Label

#### 1.10.1.3 DUT Self-Regulating Heating Wires

#	Drawing No	Sheets	Rev	Approved date	Title
01	DUT	1 to 6	A	17 Jan 2024	Self-regulating heating wires
02	-	1 of 1	A	17 Jan 2024	DRUM CABLE LABEL - FOR CABLE TYPE DUT
03	Label	1 of 1	A	17 Jan 2024	DUT ATEX Label

#### 1.10.1.4 DUTw Self-Regulating Heating Wires

#	Drawing No	Sheets	Rev	Approved date	Title
01	DUTw	1 to 6	A	17 Jan 2024	Self-regulating heating wires
02	-	1 of 1	A	17 Jan 2024	DRUM CABLE LABEL - FOR CABLE TYPE DUTw
03	Label	1 of 1	A	17 Jan 2024	DUTw ATEX Label

### 1.10.2 Supporting information

#	Document	Sheets	Rev	Title
01	Instructions	1 of 24	-	Design Installation and Maintenance Manual
02	-	1 of 1	-	DHT Electrical heating cable for freeze protection or temperature maintenance

#	Document	Sheets	Rev	Title
03	-	1 of 1	-	DLT Electrical heating cable for freeze protection or temperature maintenance
04	-	1 of 1	-	DUT Electrical heating cable for freeze protection or temperature maintenance
05	CF004	1 of 1	1	ATEX Trade Agent Agreement
06	CF005	1 of 1	2	ATEX Trade Agent Manufacturer Declaration
07	CF008	1 of 1	-	Trade Agent Declaration

### 1.10.3 Instructions

The Trade Agent has supplied a copy of the instruction details that confirm compliance with EN IEC 60079-0:2018, clause 30. A copy is retained on file for reference.

The instructions contain the following information:

- Marking details
- Safety instructions
- Requirements for training (installation by competent persons)
- Anticipated operating conditions (environment)
- Special conditions for safe use
- Particulars of misuse to be prevented
- Details of any tools
- List of standards used for compliance or copy of certificate
- Any precautions in use.

### 1.11 Conditions of Manufacture (applies to all certificates)

The following are conditions of manufacture:

- i. An electric strength test of 2 U+1000V rms shall be applied between the conductors and the outer braid or sheath as appropriate for 60 seconds in accordance with the requirements of EN 60079-30-1:2017 clause 5.1.2.
- ii. When fitted, an electric strength test of the polymeric sheath (over jacket) used for corrosion resistance shall be carried out in accordance with the requirements of EN 60079-30-1:2017 clause 5.2.1.
- iii. The manufacturer shall verify the output rating for each cable manufactured in accordance with the requirements of EN 60079-30-1:2017 clause 5.2.2.
- iv. The manufacturer shall demonstrate, through their quality program, the thermal safety of the trace heating cable with respect to time in accordance with the requirements of EN 60079-30-1:2017 clause 5.1.12.

### 1.12 Specific conditions of use (applies to all certificates)

None.

### 1.13 Compliance with essential requirements of Directive 2014/34/EU

The assessment conducted under the OEM approval was accepted as meeting the Essential Health & Safety Requirements of Directive 2014/34/EU for ATEX certification. This was also accepted for the Trade Agent certification. The Trade Agent's documentation has been reviewed to ensure compliance with the essential requirements is maintained.

## 1.14 Conclusion

The equipment described in this report satisfies the requirements of the listed standards, the relevant certification code being as indicated in section 1.3. The tests and assessments are limited to the standards aforementioned.

In addition, the equipment meets the requirements of European Directive 2014/34/EU for ATEX certification for the Category indicated in section 1.3, based on the OEM assessment and certification.

The equipment identified in this report is recommended for certification by the signatories.

## 1.15 Signatories

Approved by + signature (ExCB):

**L A Brisk**  
Assistant Certification Manager



Date: 17<sup>th</sup> January 2024

Note: As there are no technical differences between the OEM and Trade Agent certified products, the above signatory is sufficient.

## 2 Test summary

All testing was waived based on the OEM report(s).

## 3 Evaluation

The following points have been checked and a Trade Agent certificate issued.

Documentation	Checked	Additional comments
The number of the ATEX Certificate issued to the OEM (or the reference to the ExTR and QAR if a certificate has not been issued).	✓	Refer to section 1.1
Alternative Type Designation, if required.	✓	Refer to 'type cross reference list'
A declaration by the OEM that the product to be placed on the market in the name of the Trade Agent will be identical to that described in the original certificate (or ExTR).	✓	Document listed in section 1.10.1.2, supporting information.
A declaration by the Trade Agent that the product to be placed on the market in the name of the Trade Agent will be identical to that described in the original certificate (or ExTR).	✓	Document listed in section 1.10.1.2, supporting information.
A copy of the marking to be applied by the OEM but showing the Trade Agent as the de facto manufacturer.	✓	Refer to section 1.10.1.
A copy of the contractual agreement between OEM and Trade Agent.	✓	Document listed in section 1.10.1.2, supporting information.
A copy of the instruction manual in the name of the Trade Agent.	✓	Document listed in section 1.10.1.2, supporting information.

Original Equipment Manufacturer (OEM) and Trade Agent certificate details:

OEM Certificate No. and Issue	Associated OEM reports	Trade Agent Certificate No.
CML 19ATEX3377, Issue 3	R12696A/00 R13195A/00 R15271A/00 R15715A/00	CML 23ATEX3463
CML 19ATEX3378, Issue 2	R12696A/00 R13195A/00 R15271A/00	CML 23ATEX3462

OEM Certificate No. and Issue	Associated OEM reports	Trade Agent Certificate No.
CML 19ATEX3385, Issue	R12696A/00 R13195A/00 R15271A/00 R15685A/00	CML 23ATEX3464
CML 19ATEX3386, Issue 3	R12696A/00 R13195A/00 R15271A/00 R16375A/00	CML 23ATEX3465

Type cross reference list:

OEM Type reference	Trade Agent type reference
Freezstop Super/FailSafe Super (FSS) Self-Regulating Heating Cable	DHT Self-Regulating Heating Wires
FreezStop Regular/FailSafe Regular (FSR) Self-Regulating Heating Cable	DLT Self-Regulating Heating Wire
FreezStop Ultimo/FailSafe Ultimo (FSU) Self-Regulating Heating Cable	DUT Self-Regulating Heating Wire
FreezStop Ultimo Wide/FailSafe Ultimo Wide (FSUw) Self-Regulating Heating Cable	DUTw Self-Regulating Heating Wire