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iscrizione CCIAA 00793580150

Registro Imprese di Milano
Sezione Ordinaria
N. R.E.A. 429222
P.I. IT00793580150

Schema di certificazione

CESI ATEX

Il CESI è stato autorizzato dal governo italiano ad operare quale organismo di certificazione di apparecchi e sistemi destinati a essere utilizzati in atmosfera potenzialmente esplosiva con D.M. 1/3/1983, D.M. 19/6/1990, D.M. 20/7/1998, D.M. 27/9/2000 e D.M. 02/02/2006

CERTIFICATE

[1] **EC-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System intended for use in potentially explosive atmospheres Directive 94/9/EC**

[3] EC-Type Examination Certificate number:

CESI 07 ATEX 012 X

[4] Equipment: Level switches series: **1020, 20, 30, 40, 50, 60, 70, 80, 6000, 7000, 3060, 3070, 4060, 4070** e Flow switches series: **PL, CV, TGO** e **PLD**

[5] Manufacturer: Officine Orobiche SpA

[6] Address: Via Serena, 10 - 24010 Ponteranica (BG) - Italy

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] CESI, notified body n. 0722 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report n. EX-A7006690.

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

EN 60079-0: 2006 EN 60079-11: 2006 EN 61241-0 : 2006
EN 61241-11: 2006 EN 60079-26: 2004

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

Ex II 1 GD Ex ia IIC T6 Ex iaD 20 IP65 T 85°C

Ex II 1 G Ex ia IIC T6

Date 07.03.2007 - Translation issued the 07.03.2007

Prepared	**Verified**	**Approved**
Guido Prazzoli	Mirko Balaz	Fiorenzo Bregani

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Centro Elettrotecnico Sperimentale Italiano
Giacinto Motta SpA

[13] **Schedule**

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 07 ATEX 012 X**

[15] **Deseription of equipment**

The Level switches series: 1020, 20, 30, 40, 50, 60, 70, 80, 6000, 7000, 3060, 3070, 4060, 4070 and the Flow switches series: PL, CV, TGO, PLD are intrinsically safe apparatus for installation in hazardous area, composed by an enclosure with mounted inside simple electrical parts: micro switches and screw terminal block.
The apparatus are available with enclosure type "EP", for Class 1 hazardous area with gas (G) and/or dust (D) explosive atmosphere or type "WP" enclosure, for Class 1 hazardous area with gas (G) explosive atmosphere.

Protection mode

Enclosure **EP -** **II 1 GD Ex ia IIC T6 Ex iaD 20 IP66 T85°C**
Enclosure **WP -** **II 1 G Ex ia IIC T6**

Electrical characteristics

Ui = ≤ 30 V
Ii = ≤ 100 mA
Pi = ≤ 0,75 W
Ci = ≤ 50pF
Li = ≤ 10µH

Ambient temperature

The surface temperature is in function of the maximum ambient temperature:

- with marking: II 1 GD Ex ia IIC T6 Ex iaD 20 IP66 T85°C: Tamb. max = + 60°C
- with marking: II 1 G Ex ia IIC T6: Tamb. max = + 60°C
- with marking: II 1 D Ex iaD 20 IP66 T85°C: Tamb. max = + 80°C

In function of the utilized micro switches the minimum temperatures is overview in the following table:

Micro switch code	Min. ambient temp
M4; M12	-15 °C
M2; M3; M6; M19; M20; M22	-20 °C
M9; M10; M11; M14; M21; M23; VD	-50 °C

The apparatus shall be supplied by associated apparatus with the electrical characteristic cited above.
The indicated electrical parameter are referred to a single circuit connected at its safety barrier, the connection of several circuits at several safety barrier, requires the evaluation of the system compatibility in according to the EN60079-25 standard.
The accessories used for cable entries and to close unused apertures shall guarantee at the apparatus a degree of protections IP 66 in according to the EN60529 standard.

[13] **Schedule**

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 07 ATEX 012 X**

[16] **Report n.** EX-A7006690

Routine tests

The manufacturer shall carry out the routine tests prescribed at par. 27 of the EN60079-0 and at par. 24 of the EN61241-0 standard.

Descriptive documents (prot. EX-A7006703)

–	Tecnical issue PJ0406	(11 pg.)	del 14/12/2006
–	IST/165	(2 pg.)	del March 07
–	Dis. SEG-7094 - rev. 2		del September 92
–	Dis. SEG-7251 - rev. 8		del 06/03/2006
–	Dis. SEG-7312 – rev. 2		del 08/01/2002
–	Dis. SEG-7329 – rev. 1		del 05/11/1996
–	Dis. SEG-7362		del 22/03/1999
–	Dis. SEG-7363 – rev. 3		del 25/05/2005
–	Dis. A-328 – rev. 1		del 18/04/2002
–	Dis. A.328.1 – rev. 1		del 18/04/2002
–	STC/070 – rev. 0		del 14/12/2006
–	Apparatus files	(20 pg)	del 14/12/2006

One copy of all documents is kept in CESI files.

[17] **Special conditions for safe use (X)**

The Level switches and the Flow switches, when made in light alloy enclosure, shall be mounted in a way to avoid an ignition hazard due to impact or friction.

[18] **Essential Health and Safcty Requirements**

Assured by the conformity to the Standards.

CESI

EXTENSION n. 01/14

to EC-Type Examination Certificate CESI 07ATEX012X

Equipment: Level switches series: **1020, 20, 30, 40, 50, 60, 70, 80, 6000, 7000, 3060, 3070, 4060, 4070** and Flow switches series: **PL, CV, TGO** and **PLD**

Manufacturer: Officine Orobiche S.p.A.

Address: Via Serena, 10 - 24010 Ponteranica (BG) - Italy

Admitted variation
- New version **EP** rotating enclosure type **CG; SG** e **DG.**
- Updating minimum ambient temperatures
- Updating to the standards EN 60079-0:2012; EN 60079-11:2012 EN 60079-26:2007.
- Update marking and EPL

Marking
Level or flow switches, shall be marked as follows:

II 1 G Ex ia IIC T6 Ga (*equipment with enclosure type **EP** or **WP***)
II 1 D Ex ia IIIC T85°C Da (*equipment with enclosure type **EP***)

This extension and annexed descriptive documents must be annexed to the EC-Type Examination Certificate CESI 07ATEX012X.

This document may only be reproduced in its entirety and without any change.

Date 14th 02.2014 - Translation issued the 14th 02.2014

Prepared	**Verified**	**Approved**
Guido Prazzoli	Miko Balaz	Fiorenzo Bregani

CESI S.p.A.
Testing & Certification Division
Business Area Certification
Il Responsabile
Fiorenzo Bregani

EST-CE-ING-0

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EXTENSION n. 01/14

to EC-Type Examination Certificate CESI 07ATEX012X

Description of equipment

The Level Switches series: **1020, 20, 30, 40, 50, 60, 70, 80, 6000, 7000, 3060, 3070, 4060, 4070** and the Flow Switches series: **PL, CV, TGO, PLD** are intrinsically safe apparatus for installation in hazardous area, composed by an metallic enclosure with mounted inside simple electrical parts: micro-switches and terminal block.
The apparatus are available with enclosure type "**EP**", for Class 1 hazardous area with gas (G) or dust (D) explosive atmosphere or type "**WP**" enclosure, for Class 1 hazardous area with gas (G) explosive atmosphere.
The constructive modifications introduced by the Manufacturer are:

- use of new versions, in addition to the standard ones, of the **EP** enclosure rotating type called **CG** (*low cap*), **SG** (*medium cap*) and **DG** (*high cap*) the subject of separate certification;
- update minimum ambient temperatures related to the used micro-switches;
- the marking of the Level or Flow Switches, is updated with EPL.

With this extension the Level or Fow switches, has been re-assessed and marked on the basis of the standard:
EN 60079-0:2012, EN 60079-11:2012, EN60079-26:2007.

Identification of the Level or Flow switches

Level or Flow switches, are characterized by the following code

Es. *41D – A – 2 – M2 – WP –xx –yy*

- *yy*: variations to the standard product
- *xx*: finned cooling surface: *optional*
- *WP*: type of eclosure: ***WP***
- *M2*: micro-switch type: **M2** *range 125V, 10A*
- *2*: material of the float: *2 AISI 316*
- *A*: material of the body: *A acciaio al carbonio*
- *41D*: model: *buoyancy level switch series **40***

The details of the code is reported in the Manufacturer descriptive documents

Level Switches

Series	Subseries	Operation	Enclosure
1020		magnetic contrast	EP
20	+ Series 20 D	float	EP or WP
30		float	EP or WP
40	+ Series 41A + Serie 41B + Series 41C + Serie 41D + Series 41E	buoyancy	EP or WP
50		float	EP or WP
60	+ Series 60 D	float	EP or WP
70	+ Series 70 D	float	EP or WP
80	+ Series 81 + Serie 82 + Series 83 + Serie 84	float	EP or WP
6000		buoyancy	EP or WP
7000		buoyancy	EP or WP
3060		float	EP or WP
3070		float	EP or WP
4060		buoyancy	EP or WP
4070		buoyancy	EP or WP

EXTENSION n. 01/14

to EC-Type Examination Certificate CESI 07ATEX012X

Flow Switches

Series	Subseries	Operation	Enclosure
PL	+ Series PL 1 + Serie PL 2 + Series PL 3 + Serie PL 4	paddle type	EP or WP
CV	+ Series CV 15 - CVM 15 + Series CV 20 - CVM 20 + Series CV 25 - CVM 25 + Series CV 32 - CVM 32 + Series CV 40 - CVM 40 + Series CV 50 - CVM 50 + Series CV0 15 + Series CV0 20 + Series CV0 25 + Series CV0 40 + Series CV0 50	float	EP or WP
TGO	+ Series TGO 50 + Series TGO 65 + Series TGO 80 + Series TGO 100	paddle type	EP or WP
PLD	+ Series PLD 40 + Series PLD 50 + Series PLD 65 + Series PLD 100 + Series PLD 125 + Series PLD 150	paddle type	EP or WP

Type of protection of the Level or Flow switches
EP *enclosure assembly* - Ex ia IIC T6 Ga *or* Ex ia IIIC T85°C Da
WP *enclosure assembly* - Ex ia IIC T6 Ga

Electrical characteristics

Ui = ≤ 30 V Ci = ≤ 50pF
Ii = ≤ 100 mA Li = ≤ 10µH
Pi = ≤ 0.75 W

The apparatus shall be supplied by associated apparatus certified according to EN 60079-0, EN 0079-11 and EN 60079-26 standards, with the above electrical characteristics.
The indicated electrical parameter are referred to a single circuit connected at its safety barrier, the connection of several circuits at several safety barrier, requires the evaluation of the system compatibility in according to the EN60079-25 standard.

Ambient Temperature

The maximum surface temperature of the equipment is a function of ambient temperature:

- type of protection: Ex ia IIC T6 Ga: Tamb. max = + 60°C
- type of protection: Ex ia IIIC T85°C Da: Tamb. max = + 80°C

The minimum ambient temperature is a function of the characteristics of micro switches used, which are summarized in the following table:

Micro-switch code	Tamb. min
M4; M12	-15 °C
M6; M19; M20; M22	-20 °C
M6; M20	-23 °C
M2; M3	-25 °C
M9; M10; M11; M14; M21; M23; VD	-50 °C

Degree of protection for EP and WP enclosures is IP66; accessories used for cable entries and to close unused apertures shall guarantee at the apparatus a degree of protections IP 66.

EXTENSION n. 01/14

to EC-Type Examination Certificate CESI 07ATEX012X

Warning label
"DISCONNECT SULLPY BEFORE OPENING"

Report n. EX-B4003968

Descriptive documents (prot. EX-B4003972)

TECHICAL FILE n. PJT0406, Rev. 1	pg.8	dated	04/02/2014
INSTRUCTION n. IST/165	pg.5	dated	November 2013
Drawing n.SEG-7447-ATEX-01	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-02	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-03	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-04	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-05	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-06	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-07	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-08	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-09	pg.1	dated	03/02/2014
Drawing n.SEG-7447-ATEX-10	pg.1	dated	03/02/2014
EC declaration of conformity	pg.1		

One copy of all documents is kept in CESI files.

Special conditions for safe use (X)
The Level switches and the Flow switches, when made in light alloy enclosure, shall be mounted in a way to avoid an ignition hazard due to impact or friction

Essential Health and Safety Requirements
The Essential Health and Safety Requirements are assured by compliance to the following standards:

EN 60079-0: 2012 – Explosive atmospheres – Part 0: Equipment – General requirements.
EN 60079-11: 2012 – Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i"
EN 60079-26: 2007 – Explosive atmospheres – Part 26: Equipment with equipment protection level (EPL) Ga.

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CERTIFICATE

[1] SUPPLEMENTARY EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in potentially explosive atmospheres Directive 2014/34/EU**

[3] Supplementary EU-Type Examination Certificate number:

CESI 07 ATEX 012 X/02

[4] Product: Level switches series: **1020, 20, 30, 40, 50, 60, 70, 80, 6000, 7000, 3060, 3070, 4060, 4070, ULC** and **ULS**
Flow switches series: **PL, CV, TGO** and **PLD**

[5] Manufacturer: Officine Orobiche S.p.A.

[6] Address: Via Serena, 10 – I-24010 Ponteranica (BG) - Italy

[7] This supplementary certificate extends EC–Type Examination Certificate CESI 07 ATEX 012X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to..

[8] CESI, notified body n. 0722 in accordance with Article 17 of the Directive 2014/34/EU of the Parliament and Council of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report n. EX-B6017559.

[9] In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

Ex II 1G Ex ia IIC T6 Ga **Ex II 1D Ex ia IIIC T85°C Da**
Ex II 1G Ex ia IIC T6, T5 Ga **Ex II 1D Ex ia IIIC T85°C, T100°C Da**

Date 1st 12.2016 - Translation issued the 1st 12.2016

Prepared	**Verified**	**Approved**
Guido Prazzoli	Mirko Balaz	Roberto Piccin

CESI S.p.A.
Testing & Certification Division
Business Area Certification
Il Responsabile
(Roberto Piccin)

Schema di certificazione CESI ATEX

ACCREDIA
PRD N. 018B
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

[13] **Schedule**

[14] **SUPPLEMENTARY EU-TYPE EXAMINATION CERTIFICATE n. CESI 07 ATEX 012 X/02**

[15] **Description of the variation to the product**

Variation 2.1: adding new Ultrasonic Level switches series ULS and ULC

Variation 2.2: standard update EN 60079-02012+A11:2013

Description of equipment

The Level Switches series: **1020**, **20**, **30**, **40**, **50**, **60**, **70**, **80**, **6000**, **7000**, **3060**, **3070**, **4060**, **4070** and the Flow Switches series: **PL**, **CV**, **TGO**, **PLD** are intrinsically safe products, for installation in hazardous area, composed by an metallic enclosure, containing simple electrical parts as micro-switches and terminals block. The apparatus are available with enclosure types **EP** or **WP**. **EP** for using in environments with explosive atmospheres for the presence of gas (G), or dust (D). **WP** only for environments with explosive atmospheres for the presence of gas (G).

The new Ultrasonic Level switches, **ULC** and **ULS**, are added to the series of which share the EP type enclosures *(excluding the rotating type G version)*, but they have a functional electronic called ASL.

Previously, Level and Flow switches, have been assessed according to the standards: EN 60079-0: 2012, EN 60079-11:2012 and EN 60079-26:2007.

With this Supplement the products are evaluated according to standards the EN 60079-0:2012+A11:2013.

Identification of the Level or Flow switches

The switches, are characterized by the following code

Es. 6x – x – x – x – x – xx – xx– xx – x

- special version
- finned cooling surface: optional
- enclosure type: **WP** o **EP**
- contact type
- contact
- float material
- body material
- switching units
- type of switch

The details of the code and configuration is reported in the Manufacturer descriptive documents

Identification of Ultrasonic Level switches **ULC** and **ULS**

The switches, are characterized by the following code

Es. ULx – xxxx – x – x – xx – xx– xx

- special version
- enclosure type: **EP**
- circuit type
- probe material
- process connection
- probe lenght
- type: **C** *low cap;* **S** *medium cap*

The details of the code and configuration is reported in the Manufacturer descriptive documents

[13] **Schedule**

[14] **SUPPLEMENTARY EU-TYPE EXAMINATION CERTIFICATE n. CESI 07 ATEX 012 X/02**

Level Switches

Series	Subseries	Operation	Enclosure
1020		magnetic contrast	EP
20	+ Series 20 D	float	EP or WP
30		float	EP or WP
40	+ Series 41A + Serie 41B + Series 41C + Serie 41D + Series 41E	buoyancy	EP or WP
50		float	EP or WP
60	+ Series 60 D	float	EP or WP
70	+ Series 70 D	float	EP or WP
80	+ Series 81 + Serie 82 + Series 83 + Serie 84	float	EP or WP
6000		buoyancy	EP or WP
7000		buoyancy	EP or WP
3060		float	EP or WP
3070		float	EP or WP
4060		buoyancy	EP or WP
4070		buoyancy	EP or WP
ULC	Low cap	ultrasuonic	EP
ULS	Medium cap	ultrasuonic	EP

Flow Switches

Series	Subseries	Operation	Enclosure
PL	+ Series PL 1 + Serie PL 2 + Series PL 3 + Serie PL 4	paddle type	EP or WP
CV	+ Series CV 15 - CVM 15 + Series CV 20 - CVM 20 + Series CV 25 - CVM 25 + Series CV 32 - CVM 32 + Series CV 40 - CVM 40 + Series CV 50 - CVM 50 + Series CV0 15 + Series CV0 20 + Series CV0 25 + Series CV0 40 + Series CV0 50	float	EP or WP
TGO	+ Series TGO 50 + Series TGO 65 + Series TGO 80 + Series TGO 100	paddle type	EP or WP
PLD	+ Series PLD 40 + Series PLD 50 + Series PLD 65 + Series PLD 100 + Series PLD 125 + Series PLD 150	paddle type	EP or WP

[13] **Schedule**

[14] **SUPPLEMENTARY EU-TYPE EXAMINATION CERTIFICATE n. CESI 07 ATEX 012 X/02**

Type of protection

Level or Flow switches

⟨Ex⟩ **II 1G Ex ia IIC T6 Ga** (*equipment with enclosure type **EP** or **WP***)

⟨Ex⟩ **II 1D Ex ia IIIC T85°C Da** (*equipment with enclosure type **EP***)

Ultrasonic Level switches **ULC** and **ULS**

⟨Ex⟩ **II 1G Ex ia IIC T6, T5 Ga**

⟨Ex⟩ **II 1D Ex ia IIIC T85 °C, T100 °C Da**

Electrical characteristics

The products shall be supplied by associated apparatus certified according to EN 60079-0 and EN 0079-11 standards, with the below electrical characteristics.
The indicated electrical parameter are referred to a single circuit connected at its safety barrier, the connection of several circuits at several safety barrier, requires the evaluation of the system compatibility in according to the EN60079-25 standard.
The enclosure EP and WP have Degree of Protection of IP66; accessories used for cable entry and for closing unused apertures shall ensure, the same degree of protection of IP66.

Level or Flow switches

Ui =	30 V	Ci =	50 pF
Ii =	100 mA	Li =	10 µH
Pi =	0.75 W		

Ambient temperature

- Tamb. max: up to +60°C for Gas protection
- Tamb. max: up to +80°C for Dust protection

The minimum ambient temperature is a function of the characteristics of micro switches used, which are summarized in the following table:

Micro-switch code	Tamb. min
M4; M12	-15 °C
M6; M19; M20; M22	-20 °C
M6; M20	-23 °C
M2; M3	-25 °C
M9; M10; M11; M14; M21; M23; VD	-50 °C

Ultrasonic Level switches **ULC** and **ULS**

Ui =	30 V	Ci =	10 nF
Ii =	100 mA	Li =	0.1 mH
Pi =	0,75 W		

Ambient temperature

From -40 °C up to +40 °C *for T6 or T85 °C* or up to +55 °C *for T5 or T100°C*

[13] **Schedule**

[14] **SUPPLEMENTARY EU-TYPE EXAMINATION CERTIFICATE n. CESI 07 ATEX 012 X/02**

Warning label
"DISCONNECT SUPPLY BEFORE OPENING"

[16] **Report n.** EX-B6017559

Routine tests
None

[17] **Special conditions for safe use (X)**
The Level and the Flow switches, made in light alloy housing, shall be mounted in a way to avoid an ignition hazard due to impact or friction.

Products, are provided with an external ground terminal; this terminal have to be connected to the main ground line of the plant using a wire with cross-sectional area of 4 mm^2.

Before open the enclosure, check that there is no explosive atmosphere.

[18] **Essential Health and Safety Requirements**
Compliance with the Essential Health and Safety Requirements is not affected by the changes described in this Supplement and has been assured by compliance with the following standards:

- EN 60079-0:2012+A11:2013 - Explosive atmospheres – Part 0: Equipment – General requirements.
- EN 60079-11:2012 - Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i".

Compliance with the Essential Health and Safety Requirements is affected as follows.

[18.1] EHSRs relevant to this product where conformity is a matter of negotiation between manufacturer and purchaser or where otherwise conformity cannot be confirmed at the time of issue of this certificate:

Clause	Subject
e.g 1.0.5 indent 2	Application of CE Marking
e.g. 1.0.6 c)	Literature must not contradict the instructions
e.g 1.4.1	External effects

[18.2] EHSRs not relevant to this product:

Clause	Subject
e.g 1.5	Safety related devices
e.g 1.6.1	Manual override to ensure safety of systems
e.g 3	Protective systems

[19] **Descriptive documents** (prot. EX-6019769)

- TECHNICAL FILE n.PJT0406 11/16 with attachments, pg.14+40	dated	30/11/2016
- INSTRUCTION n.IST/165, pg.5	dated	July 2016
- INSTRUCTION n.IST/187, pg.5	dated	October 2016
- Drawing n.SEG-7447-ATEX-01, pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-02, pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-03, pg.1	dated	03/02/2014

[13] **Schedule**

[14] **SUPPLEMENTARY EU-TYPE EXAMINATION CERTIFICATE n. CESI 07 ATEX 012 X/02**

Descriptive documents *(continue)*

- Drawing n.SEG-7447-ATEX-04, Rev.0, pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-05, Rev.0, pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-06, Rev.0, pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-07, Rev.0,pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-08, Rev.0,pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-09, Rev.0,pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-10, Rev.0,pg.1	dated	03/02/2014
- Drawing n.SEG-7447-ATEX-11, Rev.0, pg.1	dated	16/03/2016
- Drawing n.SEG-7447-ATEX-12, Rev.0, pg.1	dated	16/03/2016
- Drawing n.SEG-7447-ATEX-13, Rev.0, pg.1	dated	16/03/2016
- Drawing n.SEG-7447-ATEX-14, Rev.1, pg.1	dated	10/10/2016
- Drawing n.CSASL001A1, Rev.3, pg.1	dated	26.10.2011
- Drawing n.CSASL001C1, Rev.1, pg.1	dated	26.10.2011
- Drawing n.CSASL002A1, Rev.3, pg.1	dated	26.10.2011
- BoM n.ITASL19, Rev.1, pg.8	dated	22.06.2015
- Drawing n.FGASL001A1, Rev.2, pg.8	dated	21.12.2011
- Drawing n.FGASL001C1, Rev.1, pg.6	dated	27.10.2011
- Drawing n.FGASL002A1, Rev.2, pg.8	dated	26.10.2011
- FAC-SIMILE - EU Declaration of Conformity, pg.2	dated	November 2016

Certificate hystory

Issue N°	Issue Date	Summary description of variation
02	01/12/2016	New ultrasonic switches series ULC, ULS and standard update
01	14/02/2014	New type of the switches with rotating EP enclosure; update minimum temperatures and standard
00	07/03/2007	First Issue of the Certificate