



[1]

EU-TYPE EXAMINATION CERTIFICATE

 [2] **Equipment intended for use in potentially explosive atmospheres Directive 2014/34/EU – Annex III**

 [3] Certificate Number: **EPT 18 ATEX 0346 X issue 2**

 [4] Equipment: **Cable Turnbuckle
TPS 001X**

 [5] Manufacturer: **THERMOSTICK ELETTROTECNICA SRL**

 [6] Address: **Via Sentirone, 10 20037 Paderno Dugnano (MI)**

[7] This equipment and its accepted variations are specified in the annex to this Certificate.


[8] Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential Report N°EPT.22.REL.02/2113109

[9] Compliance with the essential health and safety requirements is assured through the verification of them and by compliance with the following harmonized standards:

EN IEC 60079-0:2018, EN 60079-11:2012

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

 [11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.
Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

 [12] The equipment shall include the sign  and the following strings:

II 1/2 G Ex ia IIC T6 Ga/Gb -40°C ≤ Ta ≤ +40°C	or	II 1/2 G Ex ia IIC T4 Ga/Gb -40°C ≤ Ta ≤ +60°C
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Place and date of issue:
(DD-MM-YYYY)

Torino, 28-04-2022






Dionisio Bucchieri Directive Responsible	Paolo Trisoglio Managing Director
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PRD N° 119B
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CP-ATEX-MOD-26-00

This Certificate has 3 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



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ANNEX
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[15] Equipment description

The cable turnbuckle TPS 001X consists in a stainless steel metal carpentry (AISI 304 or AISI 316 L material) including a cable positioned on a self-rewinding wheel. This equipment is used to connect devices subjected to variable distance, ensuring that the cable used for the connection remains tensed. Inside the equipment there is a rotating contact mechanism that ensures electrical continuity between the extensible cable and the support terminal strip. A crankcase with a steel spring rewires the cable.

On the equipment surface is mounted an already certified enclosure in glass fiber reinforced polyester or steel material (complying with increased safety or intrinsic safety type of protection); the enclosure includes four terminals having 2.5 mm² cross section used for electrical connection of two independent circuits.

The cable turnbuckle can be installed horizontally or vertically, through to the fixing holes on both sides of the bracket. It is also equipped with a removable rain cover with rubber gasket for the sliding cable.

The cable is suitable to be connected to devices (such as junction boxes and heat-sensitive cables) in Zone 0 while the cable turnbuckle can be installed in Zone 1.

Safety related electrical parameters:

The equipment can be powered only by means of certified intrinsically safe barriers; the maximum input safety electrical parameters are reported below:

U _i	I _i	P _i
30 V	215 mA	1.2 W

Warning label

Warning – Do not open when energized

Warning – Potentially electrostatic charging hazard – See Instruction

Routine tests

None.

[16] Assessment Report n° EPT.22.REL.02/2113109

This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this certificate performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.

[17] Special conditions for a safe use

- The EPL Ga refers to the heat-sensitive cables interface while the cable turnbuckle is suitable to be installed in hazardous areas requiring EPL Gb.

- Electrostatic charging hazard – see instruction.

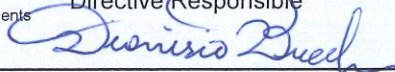


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ANNEX

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**EU-TYPE EXAMINATION CERTIFICATE
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[18] Essential Health and Safety Requirements

Assured by compliance with harmonized standards.

[19] Descriptive documents

The equipment object of this Certificate are described by the following documents that are scheduled documents and therefore they cannot be modified without the explicit authorization of the Notified Body.

Type of document	Document identification	Rev.	Date
*Technical note	Technical Note AvvEx	Ed.1R3	23-04-2021
Cable specification	4M3243	0	05-02-2013
*Safety instructions	TPS001XEd1R6UK	0	28-04-2021
*Cable turnbuckle "TPS001X" Assembly	TPS001X-1R3	3	02-2022

*Note: An * is included before the title of documents that are new or revised.*

[20] Terms and conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

[20] History

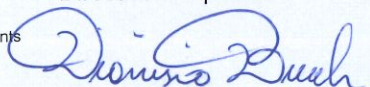
Issue	Description	Date
0	First Emission (Certificate number EUM1 10 ATEX 0346).	15-11-2010
1	- The certificate has been updated according the ATEX Directive 2014/34/EU; the assessment has been carried according to the standard editions in force; the equipment category has been upgraded; the description has been updated	28-05-2018
2	- The equipment has been assessed according to the standard EN IEC 60079-0:2018. - Special conditions for a safe use have been added.	28-04-2022



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End of Certificate

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