(2) **Equipment and protective systems intended for use in potentially explosive atmospheres Directive 94/9/EC**

(1) EC-TYPE EXAMINATION CERTIFICATE

(3) Number of the EC type examination certificate: **INERIS 03ATEX0027X**

(4) Equipment or protective system:

ENCLOSURE TYPE ESA ... / ESX...

(5) Manufacturer: **NUOVA ASP**

(6) Address: Via de Gasperi, 26
20090 PANTIGLIATE (MI)
ITALY

(7) This equipment or protective system and any other acceptable alternative of this one are described in the appendix of this certificate and the descriptive documents quoted in this appendix.

(8) The INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, certifies that this equipment or protective system fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, described in appendix II of the Directive.

The examinations and the tests are consigned in official report No P57442/04.

(9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 50 014	of June	1997 + Amendment 1 and 2
EN 50 019	of July	2000
EN 50 020	of June	2002
EN 50 281-1-1	of September	1998 + Amendment 1

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

(10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protective system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.

Parc Technologique Alata BP 2 F-60550 Verneuil-en-Halatte
tél + 33(0)3 44 55 66 77 fax + 33(0)3 44 55 66 99 internet www.ineris.fr
Institut national de l'environnement industriel et des risques
Etablissement public à caractère industriel et commercial - RCS Senlis B 381 984 921 - Siret 381 984 921 00019 - APE 743B

(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 the protective system will have to contain:

(Ex) II 2 GD **EEx e II T5 or EEx ia IIB/IIC T5 or EEx e[ia]IIB/IIC T5 T100°C IP66**

Verneuil-en-Halatte, 2004 07 31

X. LEFEBVRE

Engineer at the Laboratory for Certification of ATEX Equipment

Director of the Certifying Body,
By delegation
B. PIQUETTE
Deputy manager of Certification

ATMOSPHERES EXPLOSIVES ORGANISME NOTIFIE INERIS NOTIFIED BODY EXPLOSIVE ATMOSPHERES

(13) # ANNEX

(14) EC TYPE EXAMINATION CERTIFICATE N°INERIS 03ATEX0027X

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

Enclosures of various dimensions made out of light alloy for ESA... type or made out of stainless steel for ESX.... type.

These boxes are intended to receive connecting terminals of certified types or a set of copper bars.

The enclosures of ESX... series can be coupled.

PARAMETERS RELATING TO THE SAFETY

Maximale supply voltage : 750 V, according terminals type.

Maximal current for all types :

Wiring section (mm^2)	1,5	2,5	4	6	10	16	25	35	70	95	120	150	240
Maximal current (A)	8	12	17	23	32	43	58	73	105	127	146	172	225

Some of enclosures can be equipped with sets of bars having the following characteristics :

Section from each of 4 conductive bars (mm^2)	48	100
Maximal current (A)	60	130
Maximal using voltage (V)	750	750

The types and the number of terminals envisaged in the various enclosures are defined in the descriptive documents.

Maximum powers available for a temperature class T5 and a range of T°amb. of -20°C to 55°C:

Ref.ES	1313	1717	2212	2216	2222	3322	3333	4433	4422	4936	5242	6348	7440
P in W	12	17	16	26	30	39	51	61	48	70	102	104	122

MARKING

Marking must be readable and indelible; it must comprise the following indications:

NUOVA ASP
I - 20090 PANTIGLIATE (MI)
ESA..... or ESX....(*)
INERIS 03ATEX0027 X
(serial number)
(Year of construction)

 II 2 GD

EEx e II T5 or EEx ia IIB/IIC T5 or EEx e[ia] IIB/IIC T5

T 100°C IP 66

DO NOT OPEN WHEN ENERGIZED

(Rated Voltage and Current)

(*) The type is completed by numbers and letters corresponding to the alternatives execution of the enclosure.

The whole of marking can be carried out in the language of the country of use.

The equipment or protective system must also carry the marking normally envisaged by the standards of construction which relate to it.

ROUTINE EXAMINATIONS AND TESTS

In accordance with 6.1 of the standard EN 50 019, each sample of the enclosure above definite must have undergone successfully, before to delivery, a dielectric rigidity test applied to the connecting terminals.

(16) DESCRIPTIVE DOCUMENTS

The report is composed of the documents quoted hereafter, constituting the descriptive file of the apparatus, object of this certificate.

- Certification File n° 228 rev. n°0 OF 2004.07.20

(17) SPECIAL CONDITIONS FOR SAFE USE

The cable entries must have a protection degrees at least equal to IP 66.

The user will have to carry out a regular cleaning of the device in order to avoid the dust residue on the walls of the material.

The apparatus can be used for an ambient temperature range from -20°C to +55°C.

(18) ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

The respect of the Essential Health and Safety Requirements is ensured by:

- conformity to the European standards EN 50 014, EN 50 019, EN 50 020 and EN 50 281-1-1.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

INERIS 03ATEX0027X/01

ENCLOSURES TYPE ESA.../ ESX...

Manufactured by NUOVA ASP

(15) - PURPOSE OF THE ADDITION

Possibility to use the enclosures in ambient temperature range from -40°C to 55°C with temperature class T5 and from -40°C to 85°C with temperature class T4.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety stipulated by the basic certificate are completed as follow :

The different electrical parameters stipulated on the basic certificate are applicable to the following ambient temperature range :

- from -40°C to 55°C with temperature class T5
- from -40°C to 85°C with temperature class T4.

MARKING

The marking defined in the basic certificate is modified as follow :

A - Enclosures for ambient temperature range from -40°C to 55°C :

NUOVA ASP
I - 20090 PANTIGLIATE (MI)
ESA..... or ESX....(*)
INERIS 03ATEX0027X
(serial number)
(Year of construction)
Ex II 2 GD
EEx e II T5 or EEx ia IIB/IIC T5 or EEx e[ia] IIB/IIC T5
T 100°C IP 66
T. Cable : 85°C
(Rated Voltage and Current)
DO NOT OPEN WHEN ENERGIZED

B- Enclosures for ambient temperature range from -40°C to 85°C :

NUOVA ASP
I - 20090 PANTIGLIATE (MI)
ESA..... or ESX....(*)
INERIS 03ATEX0027X
(serial number)
(Year of construction)
Ex II 2 GD
EEx e II T4 or EEx ia IIB/IIC T4 or EEx e[ia] IIB/IIC T4
T 135°C IP 66
T. Cable : 120°C
(Rated Voltage and Current)
DO NOT OPEN WHEN ENERGIZED

(*) The type is completed by numbers and letters corresponding to the alternatives execution of the enclosure.

ROUTINE EXAMINATIONS AND TESTS

Routine examinations and tests defined in the basic certificate are unchanged.

(16) - DESCRIPTIVE DOCUMENTS

The documents referred to below, constitute the file describing the modifications of the apparatus and forming the subject of the present addition.

Certification file 228 rev. 1 dated and signed on 2005.01.20

This document included 15 items.

(17) - SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use defined in the basic certificate are modified as follow :

The apparatus is intended for use in ambient temperature range :

- from -40°C to 55°C for temperature class T5.
- from -40°C to 85°C for temperature class T4.

(18) - ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

The respect of the Essential Health and Safety Requirements defined in the basic certificate is unchanged.

Verneuil-en-Halatte, 2005 01 27

ATMOSPHERES EXPLOSIVES
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NOTIFIED BODY
EXPLOSIVE ATMOSPHERES

C. PETITFRERE

Engineer at the Laboratory of Certification of ATEX Equipment

Director of the Certifying Body,
By delegation
B. PIQUETTE
Deputy manager of Certification

ADDITION

(3) **INERIS 03ATEX0027X/02**

(4) **ENCLOSURE TYPE ESA... or ESX...**

(5) **Made by NUOVA ASP**

(15) **PURPOSE OF THE ADDITION**

- Application of the new standards:
  EN 60079-0 : 2006 EN 60079-7 : 2007
  EN 61241-0 : 2006 EN 61241-1 : 2004
- Modification of the size of enclosure type ESX....
- Possibility to use these enclosures Ex e in range of ambient temperature -50°C up to 150°C with the terminal blocks PHOENIX covered by EC type certificate examination KEMA 03ATEX2382U or WEIDMULLER covered by the EC type examination certificate SIRA 03ATEX3425U.
- The terminal blocks for other ranges of ambient temperatures are covered by EC type examination certificate in accordance with the new standards and listed on the descriptive documents.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:
The manufacturer reduce the maximum number of terminal block and/or the maximum intensity intended in the various certificates of the terminals block, to guarantee a maximal heating of 20 K for class T3/T200°C or T4/T135°C and 15 K for class T5/T100°C.

MARKING

The marking is modified as follows:

A - **Enclosures for T3 and T200°C:**

NUOVA ASP
I - 20090 Pantigliate
ESA... or ESX... (*)
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ⓔx II 2 GD
Ex e II T3
Ex tD A21 IP65 T200°C
T. Ambient : (**) to 150°C
Cable temperature : 170°C

(Rated voltage and rated current and/or rated power)

WARNINGS : DO NOT OPEN WHEN ENERGIZED

(*) The type is completed by number and/or letter according to the manufacturing variations.

(**) one of the following temperature -20°C, -30°C, -40°C or -50°C in accordance with the thermal stabilité of the terminal blocks.

B - <u>Enclosures for T4 and T135°C:</u>

NUOVA ASP
I - 20090 Pantigliate
ESA... or ESX... **(*)**
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ⓔx II 2 GD
Ex e II T4
Ex tD A21 IP66 T135°C
T. Ambient : **(**)** to 85°C
Cable temperature : 120°C
(Rated voltage and rated current and/or rated power)

WARNINGS : DO NOT OPEN WHEN ENERGIZED

(*) The type is completed by number and/or letter according to the manufacturing variations.

(**) one of the following temperature -20°C, -30°C, -40°C or -50°C in accordance with the thermal stabilité of the terminal blocks.

C - <u>Enclosures for T5 and T100°C:</u>

NUOVA ASP
I - 20090 Pantigliate
ESA... or ESX... **(*)**
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ⓔx II 2 GD
Ex e II T5
Ex tD A21 IP66 T100°C
T. Ambient : **(**)** to 55°C
Cable temperature : 85°C
(Rated voltage and rated current and/or rated power)

WARNINGS : DO NOT OPEN WHEN ENERGIZED

(*) The type is completed by number and/or letter according to the manufacturing variations.

(**) one of the following temperature -20°C, -30°C, -40°C or -50°C in accordance with the thermal stabilité of the terminal blocks.

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are modified as follows :

In accordance with clause 7.1 of the EN 60079-7 standard, each apparatus defined above has to have successfully passed before delivery a test of dielectric strength on each of the different circuits of the connection units, performed according to the relevant standards, the test voltage being applied during one minute.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation describing the modification of the equipment, subject of this present addition.

- Certification file n°228 rév.2 of 2010.04.27 (26 rubrics) signed on 2010.04.27.

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions are remplaced by the followings:

- The certified cable entries must have a protection degrees at least equal to IP 66 for enclosures class T4 and T5 or at least equal to IP 65 for enclosures class T3.
- The user will have to carry out a regular cleaning of the device in order to avoid the dust residue on the walls of the material.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is completed as follows:

- Conformity to the standards quoted on page 1, clause (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2010 05 04

ATMOSPHERES EXPLOSIVES ORGANISME NOTIFIE INERIS NOTIFIED BODY EXPLOSIVE ATMOSPHERES

Director of the Certifying Body,
By delegation
T. HOUEIX
Certification Officer
Certification Division

ADDITION

(3) **INERIS 03ATEX0027X/03**

(4) **ENCLOSURE TYPE ESA... or ESX...**

(5) **Made by NUOVA ASP**

(15) PURPOSE OF THE ADDITION

Possibility to install the following components on the cover of the enclosure type ESX3322A:

- Circuit module BARTEC type 07-3321-1400 EC type examination certificate PTB 00ATEX1043U.
- Control device adapters BARTEC type 05-0003-000900 and 05-0003-000700 EC type examination certificate PTB 00ATEX3114U.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Maximum supply voltage	:	400 V
Maximum intensity	:	8 A
Maximum number of terminal block	:	22
Wiring section of the terminal block	:	2.5 mm^2

MARKING

The marking is modified as follows for enclosure type ESX 3322A:

NUOVA ASP
I - 20090 Pantigliate
ESX3322A
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ⓔx II 2 GD
Ex d e IIC T6
Ex tD A21 IP66 T85°C
Rated voltage : 400 V
Rated current : 8 A

WARNING : DO NOT OPEN WHEN ENERGIZED

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are unchanged.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation describing the modification of the equipment, subject of this present addition.

- Certification file n°228 rev.3 of 2010.09.06 (4 rubrics) signed on 2010.09.06

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for this enclosure is modified as follow:

The enclosure type ESX3322A is intended to be used in an operating temperature range from -20°C to 40°C.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements, for this enclosure, is modified as follow:

- Conformity to the standards EN 60079-0: 2004, EN 60079-1: 2004, EN 60079-7: 2003, EN 61241-0: 2006 and EN 61241-1: 2004.
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2010 10 12

ATMOSPHERES EXPLOSIVES ORGANISME NOTIFIE INERIS NOTIFIED BODY EXPLOSIVE ATMOSPHERES

Director of the Certifying Body,
By delegation
D. CHARPENTIER
Deputy Manager of Certification

ADDITION

(3) INERIS 03ATEX0027X/04

(4) ENCLOSURE TYPE ESA... or ESX...

(5) Made by NUOVA ASP

(15) PURPOSE OF THE ADDITION

- Application of the following standards:

EN 60079-0	:	2009	IEC 60079-0	:	2011
EN 60079-7	:	2007	IEC 60079-7	:	2006
EN 60079-1	:	2007	IEC 60079-1	:	2007
EN 60079-11	:	2007	IEC 60079-11	:	2006
EN 60079-18	:	2009	IEC 60079-18	:	2009
EN 60079-31	:	2009	IEC 60079-31	:	2008

- Modification of the range of ambient temperature and the temperature class.
- Introduction of new lock system for fixing cover.
- Possibility to use some electrical components covered by an ATEX certificate and with different type of protection as "Ex d e", "Ex ia", "Ex ib", "Ex d ia/ib", "Ex e mb", "Ex d e mb", "Ex d e mb ia".
- The previous versions of the enclosures, covered by the addition 03, remain usable in accordance with:

EN 60079-0	:	2006	EN 60079-7	:	2007
EN 61241-0	:	2006	EN 61241-1	:	2004

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Enclosures "Ex e" and "Ex tb" with internal component and/or terminals:

Maximum supply voltage : 750 V

Maximum current : see table below

Wiring section (mm^2)	1.5	2.5	4	6	10	16	25	35	50	70	95	150
Maximal current (A)	8	12	17	23	32	43	58	73	86	105	127	172

The maximum number of terminals and the permissible rated current depend of the size of the enclosure, the range of ambient temperature and the temperature class. These parameters are described on the descriptive documents.

These enclosures are intended to be used in the following ranges of ambient temperature, in accordance with the temperature class T6/T85°C, T5/T100°C or T4/T135°C, the thermal stability of the terminals and the range of ambient temperature of the component installed in the enclosure:

- Minimum ambient temperature from -20°C to -60°C for "Ex e" and "Ex tb" versions.
- Maximum ambient temperature from +40°C to +80°C for "Ex e" version.
- Maximum ambient temperature from +40°C to +60°C for "Ex tb" version.

The components other than terminals can be installed only when the wiring section of each wire and terminal is 2.5 mm^2 and with a maximum current of 6 A. This configuration is only for a maximum ambient temperature 40°C.

Enclosures "Ex tb" with internal component and/or terminals:

Maximum supply voltage : 660 V

Maximum power dissipated is indicated on the descriptive documentation in accordance with the size of enclosure, the temperature class and the ambient temperature.

The parameters relating to the safety are unchanged for the previous versions of the enclosures, covered by the addition 03.

MARKING

The marking is modified as follows:

A - Enclosure "Ex e" and "tb" fitted only with terminals:

NUOVA ASP
I - 20090 Pantigliate (MI)
ESA... or ESX... (1)
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ex e IIC T6 or T5 or T4 Gb
Ex tb IIIC T85°C or T100°C or T135°C Db IP66
...°C ≤ Tamb ≤ ...°C (2)
T. cable = (3)
(Rated voltage and rated current and/or rated power)
WARNING: DO NOT OPEN WHEN ENERGIZED

(1) Type is completed by numbers corresponding to the size of the enclosure.

(2) Indication of the range of temperature ambient if different from -20°C to +40°C.

(3) Indication when the temperature is higher than 70°C.

B - Enclosure "Ex e" and "tb" fitted with terminals and components:

NUOVA ASP
I - 20090 Pantigliate (MI)
ESA... or ESX... (1)
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ex (2) e IIB or IIC T6 or T5 Gb
Ex tb IIIC T85°C or T100°C Db IP66
...°C ≤ Tamb ≤ ...°C (3)
T. cable = (4)
(Rated voltage and rated current and/or rated power)
WARNING: DO NOT OPEN WHEN ENERGIZED

(1) Type is completed by numbers corresponding to the size of the enclosure.

(2) The marking code Ex is completed by the indication of the type of protection of the component installed in the enclosure in the alphabetical order.

(3) Indication of the range of ambient temperature if different from -20°C to +40°C.

(4) Indication when the temperature is higher than 70°C.

C - Enclosure "Ex tb" only for dust protection:

NUOVA ASP
I - 20090 Pantigliate (MI)
ESA... or ESX... (1)
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ex tb IIIC T85°C, T100°C or T135°C Db IP66
...°C ≤ Tamb ≤ ...°C (2)
T. cable = (3)
WARNING: DO NOT OPEN WHEN ENERGIZED

(1) Type is completed by numbers corresponding to the size of the enclosure.

(2) Indication of the range of ambient temperature if different from -20°C to +40°C.

(3) 90°C for T100°C or 120°C for T135°C.

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

The marking are unchanged for the previous versions of the enclosures, covered by the addition 03.

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are unchanged.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation describing the modification of the equipment, subject of this present addition.

- Certification file n°11_228 rev.0 of 2011.10.20 (15 rubrics) signed on 2011.10.20
- Excel file CD dated on 2011.10.10

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions are unchanged.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements, for this enclosure, is modified as follow:

- Conformity to the standards quoted on page 1, clause (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2012.04.27

ATMOSPHERES EXPLOSIVES ORGANISME NOTIFIE INERIS NOTIFIED BODY EXPLOSIVE ATMOSPHERES

Director of the Certifying Body,
By delegation
D. CHARPENTIER
Deputy Manager of Certification

ADDITION

(3) INERIS 03ATEX0027X/05

(4) ENCLOSURE TYPE ESA... or ESX...

(5) Made by NUOVA ASP

(15) PURPOSE OF THE ADDITION

- Extension of the maximum ambient temperature from +80°C to +160°C for enclosures including terminals.
- Possibility to install bus bar in the enclosures for ambient temperatures from -60°C up to +100°C.
- Extension of the maximum ambient temperature from +40°C to +60°C for enclosures using certified components.
- Application of the following standards:

EN 60079-0 : 2012/A11:2013
EN 60079-7 : 2007
EN 60079-1 : 2007
EN 60079-11 : 2012
EN 60079-18 : 2009
EN 60079-31 : 2009

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:

Enclosures "Ex e" and "Ex tb" with internal component and/or terminals:

Maximum supply voltage : 750 V

Maximum intensity : see table below

Wiring section (mm^2)	1.5	2.5	4	6	10	16	25	35	50	70	95	150
Maximal current (A)	8	12	17	23	32	43	58	73	86	105	127	172

The maximum number of the terminals and the permissible rated current depend of the size of the enclosure, the range of ambient temperature and the temperature class. These parameters are described on the descriptive documents.*

These enclosures are intended to be used in the following ranges of ambient temperature, in accordance with the temperature class T6/T85°C, T5/T100°C, T4/T135°C or T3/T200°C, the thermal stability of the terminals and the range of ambient temperature of the component installed in the enclosure:

- Minimum ambient temperature from -20°C to -60°C for "Ex e" and "Ex tb" versions.
- Maximum ambient temperature from +40°C to +100°C for "Ex e" version for types of terminals specified in the descriptive documents.
- Maximum ambient temperature from +40°C to +160°C for "Ex e" and "Ex tb" version only with terminals type SAK covered by the certificate SIRA 03ATEX3425U and a maximum current of 8A.

The components other than terminals can be installed only when the wiring section of each wire and terminal is 2.5 mm^2 and with a maximum current of 6 A. This configuration is only for a maximum ambient temperature 60°C.

Enclosures "Ex e" and "Ex tb" with bus bar:

Maximum supply voltage : 750 V

Maximum intensity : see table below

Max current (Size of bar)	Max. Ambient temperature	Temperature class for ESA	Temperature class for ESX
85A (48mm²) 160A (100mm²) 275A (250mm²)	+100°C	T4/T135°C	T3/T200°C
130A (48mm²) 200A (100mm²) 400A (250mm²)	+80°C	T4/T135°C	T3/T200°C
300A (250mm²)	+55°C	T5/T100°C	-
300A (250mm²)	+60°C	-	T4/T135°C

The maximum number of the bars and the permissible rated current depend of the size of the enclosure, the range of ambient temperature and the temperature class. These parameters are described on the descriptive documents.

The enclosures including bars are intended to be used in the range of ambient temperature from -60°C up to 100°C.

Enclosures "Ex tb" with internal component and/or terminals:

Maximum supply voltage : 660 V

Maximum power dissipated is indicated on the descriptive documentation in accordance with the size of enclosure, the temperature class and the ambient temperature.

MARKING

The marking is modified as follow:

A - Enclosure "Ex e" and "tb" fitted only with terminals or bars:

NUOVA ASP
I - 20090 Pantigliate (MI)
ESA... or ESX... **(1)**
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
⟨Ex⟩ II 2G Ex e **(2)** IIB or IIC T6 or T5 or T4 or T3 Gb
⟨Ex⟩ II 2D Ex tb IIIC T85°C or T100°C or T135°C or T200°C Db IP66 or IP65
...°C ≤ Tamb ≤ ...°C **(3)**
T. cable = **(4)**
(Rated voltage and rated current and/or rated power)
WARNING: DO NOT OPEN WHEN ENERGIZED

(1) Type is completed by numbers corresponding to the size of the enclosure.

(2) The marking code Ex could be completed by the indication of the type of protection "ia" in accordance with the type of terminals inside the enclosures.

(3) Indication of the range of temperature ambient if different from -20°C to +40°C.

(4) Indication when the temperature is higher than 70°C.

B - Enclosure "Ex e" and "tb" fitted with terminals and components:

NUOVA ASP
I - 20090 Pantigliate (MI)
ESA... or ESX... **(1)**
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
⟨Ex⟩ II 2G Ex **(2)** e IIB or IIC T6 or T5 or T4 Gb
⟨Ex⟩ II 2D Ex tb IIIC T85°C or T100°C or T135°C Db IP66 or IP65
...°C ≤ Tamb ≤ ...°C **(3)**
T. cable = **(4)**
(Rated voltage and rated current and/or rated power)

WARNING: DO NOT OPEN WHEN ENERGIZED

(1) Type is completed by numbers corresponding to the size of the enclosure.

(2) The marking code Ex is completed by the indication of the type of protection of the component installed in the enclosure in the alphabetical order.

(3) Indication of the range of ambient temperature if different from -20°C to +40°C.

(4) Indication when the temperature is higher than 70°C.

C - Enclosure "Ex tb" only for dust protection:

NUOVA ASP
I - 20090 Pantigliate (MI)
ESA... or ESX... **(1)**
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
⟨Ex⟩ II 2D Ex tb IIIC T85°C, T100°C or T135°C Db IP66 or IP65
...°C ≤ Tamb ≤ ...°C **(2)**
T. cable = **(3)**
WARNING: DO NOT OPEN WHEN ENERGIZED

(1) Type is completed by numbers corresponding to the size of the enclosure.

(2) Indication of the range of ambient temperature if different from -20°C to +40°C.

(3) 90°C for T100°C or 120°C for T135°C.

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are unchanged.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation describing the modification of the equipment, subject of this present addition.

- Certification file n°11_228 rev.1 of 2015.02.15 (14 rubrics) signed on 2015.02.15
- Excel file CD dated on 2015.02.15

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are modified as follows:

The enclosures could be used in different ambient temperatures ranges comprised from -60°C up to +160°C following the components fitted on the enclosures and in accordance with the descriptive documents.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is modified as follow:

- Conformity to the standards quoted in clause (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2015.04.30

The Chief Executive Officer of INERIS
By delegation
T. HOUEIX
Ex Certification Officer

ATMOSPHERES EXPLOSIVES ORGANISME NOTIFIE INERIS NOTIFIED BODY EXPLOSIVE ATMOSPHERES

2 **Appareil ou système de protection destiné à être utilisé en atmosphères explosibles**
Equipment and protective systems intended for use in potentially explosive atmospheres

Directive 2014/34/UE
Directive 2014/34/EU

1 # ATTESTATION D'EXAMEN UE DE TYPE
EU-TYPE EXAMINATION CERTIFICATE

3 Numéro de l'attestation d'examen UE de type / *Number of the EU-Type Examination Certificate*

INERIS 03ATEX0027X INDICE / *ISSUE* : 06

4 Appareil ou système de protection / *Equipment or protective system*:

COFFRETS TYPE ESA… ou ESX…
ENCLOSURES TYPE ESA… or ESX…

5 Fabricant / *Manufacturer*: **NUOVA ASP**

6 Adresse / *Address* : Via Mario Pagano, 7
I - 20090 Trezzano Sul Naviglio (MI)

7 Cet appareil ou système de protection et toute autre variante acceptable de celui-ci sont décrits dans l'annexe de la présente attestation et dans les documents descriptifs cités dans cette annexe.

This equipment or protective system and any acceptable variation thereto is specified in the Annex of this certificate and the descriptive documents therein referred to.

8 L'INERIS, organisme notifié et identifié sous le numéro 0080, conformément aux articles 17 and 21 de la directive 2014/34/UE du Parlement Européen et du Conseil, datée du 26 février 2014, et accrédité par le COFRAC sous le n° 5-0045 dans le cadre de l'activité de certification de produits et services (portée disponible sur www.cofrac.fr) certifie que cet appareil ou système de protection répond aux Exigences Essentielles de Sécurité et de Santé en ce qui concerne la conception et la construction des appareils et des systèmes de protection destinés à être utilisés en atmosphères explosibles, décrites en annexe II de la Directive.

INERIS, notified body and identified under number 0080, in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, and accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation available on the website www.cofrac.fr), certifies that this equipment or protective system fulfils 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.

Les procédures de certification sont disponibles sur www.ineris.fr.
The rules of certification are available on INERIS website on: www.ineris.fr.

Les examens et les essais sont consignés dans le rapport :
The examinations and the tests are recorded in report:

N° 032507 .

IM-1915AC - Mise en application : 01/02/2017

Parc Technologique Alata BP 2 F-60550 Verneuil-en-Halatte
tél +33(0)3 44 55 66 77 **fax** +33(0)3 44 55 66 99 **internet** www.ineris.fr
Institut national de l'environnement industriel et des risques
Etablissement public à caractère industriel et commercial - RCS Compiègne B 381 984 921 - Siret 381 984 921 00019 - APE 7120B

9 Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par :
The respect of the Essential Health and Safety Requirements has been assured by:

- la conformité à / *Conformity with:*

  EN 60079-0 : 2012/A11:2013
  EN 60079-1 : 2014
  EN 60079-7 : 2007
  En 60079-11 : 2012
  EN 60079-18 : 2009
  EN 60079-31 : 2014

- les solutions spécifiques adoptées par le fabricant pour satisfaire aux Exigences Essentielles de Sécurité et de Santé décrites dans les documents descriptifs /
  Specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents

10 Si le signe X est placé à la suite du numéro de l'attestation d'examen UE de type, il indique que cet appareil ou système de protection est soumis à des conditions spéciales d'utilisation, mentionnées dans l'annexe de la présente attestation.
If the sign X is placed after the Number of the EU type examination certificate, it indicates that this equipment and protective system is subject to the Specific Conditions of Use, mentioned in the annex of this certificate.

11 Cette attestation d'examen UE de type se rapporte uniquement à la conception, aux examens et essais de l'appareil ou système de protection spécifié conformément à la directive 2014/34/UE. D'autres exigences de cette Directive s'appliquent à la fabrication et à la fourniture de cet appareil ou système de protection, celles-ci ne sont pas couvertes par cette attestation.
This EU-Type Examination Certificate relates only to the design, examinations 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 Le marquage de l'appareil ou du système de protection doit contenir :
The marking of the equipment or the protective system shall include the following:

Ex II 2 GD

Verneuil-en-Halatte, 2017 07 13

ATMOSPHÈRES EXPLOSIVES ORGANISME NOTIFIÉ INERIS NOTIFIED BODY EXPLOSIVE ATMOSPHERES

Le Directeur Général de l'INERIS
Par délégation
The Chief Executive Officer of INERIS
By delegation
Thierry HOUEIX
Ex Certification Officer
Délégué Certification

IM-1915AC - Mise en application : 01/02/2017

13 **A N N E X E**

15 DESCRIPTION DE L'APPAREIL OU DU SYSTÈME DE PROTECTION :

Les coffrets réalisés en alliage léger pour le type ESA… ou en acier inoxydable pour le type ESX… sont protégés par sécurité augmentée « e » pour les atmosphères explosives gaz et par enveloppe « tb » pour les atmosphères explosives poussières.

Les coffrets, protégés en sécurité augmentée « e », sont destinés à recevoir des bornes et/ou des barres de cuivre et/ou d'autres composants électriques couverts par un certificat ATEX pour différents modes de protection comme Ex db e", "Ex ia", "Ex ib", "Ex d ia/ib", "Ex e mb", "Ex d e mb","Ex db e mb ia". La liste des composants est définie à la fin du certificat.

Les coffrets, protégés par enveloppe « tb », sont destinés à recevoir les mêmes équipements listés ci-dessus et/ou d'autres composants électriques non couverts par un certificat ATEX et listés dans la documentation.

Les coffrets présentent les degrés de protection IP65 ou IP66 selon la norme EN 60529 en fonction des degrés de protection des composants installés sur le coffret.

PARAMETRES RELATIFS A LA SECURITÉ :

Coffrets "Ex e" et "Ex tb" avec composants internes et/ou bornes de raccordement :

Tension maximale : 1 100 V

Section de câble des bornes : de 1.5mm² à 300mm²

Le nombre maximal de bornes et l'intensité assignée dépendent du type de bornes, de la taille du coffret, de la gamme de températures ambiantes et de la classe de température. Ces différents paramètres sont définis dans les documents descriptifs.

Ces coffrets sont prévus pour être utilisés dans les gammes de températures suivantes, en accord avec la classe de température T6/T85°C, T5/T100°C, T4/T135°C ou T3/T200°C, la stabilité thermique des bornes et la gamme des températures ambiantes des composants installés dans le coffret :

- Température ambiante minimale de -20°C à -60°C pour les versions "Ex e" et "Ex tb".
- Température ambiante maximale de +40°C à +80°C pour les versions "Ex e" pour tous les types de bornes de raccordement spécifiés dans les documents descriptifs et pour les versions « Ex tb »
- Température ambiante maximale de +40°C à +160°C pour les versions "Ex e" (uniquement pour les versions avec les bornes de raccordement type SAK couvertes par le certificat SIRA 03ATEX3425U) et "Ex tb".

Les composants autres que les bornes peuvent être installés seulement lorsque la section de chaque conducteur et de chaque borne est 2.5 mm² et pour une intensité maximale de 6 A. Cette configuration est prévue seulement pour une température ambiante de 60°C.

Coffrets "Ex tb" avec composants et/ou bornes :

Tension maximale : 1 100 V

La puissance maximale dissipée est indiquée dans les documents descriptifs en accord avec la taille du coffret, la classe de température et la température ambiante.

13 ***A N N E X***

15 DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM :

These enclosures made in light alloy for the type ESA... or stainless steel for the type ESX... are protected by increased safety "e" for gas hazardous atmosphere and protected by enclosure "tb" for dust hazardous atmosphere.

Enclosures, protected by increased safety "e", are intended to receive terminals and/or bus bar and/or some electrical components covered by ATEX certificates for different type of protection as "Ex db e", "Ex ia", "Ex ib", "Ex db ia/ib", "Ex e mb", "Ex db e mb","Ex db e mb ia". The list of the components is defined at the end of the certificate.

Enclosures, protected by enclosure "tb" , are intended to receive the same equipment listed above and/or electrical components not covered by an ATEX certificate and listed in the documentation.

These enclosures get the degrees of protection IP65 or IP66 according to the EN 60529 standard following the degrees of protection of the components installed on the enclosure.

PARAMETERS RELATING TO THE SAFETY :

Enclosures "Ex e" and "Ex tb" with internal component and/or terminals:

Maximum supply voltage : 1 100V

Wiring section of the terminals : from 1.5mm² to 300mm²

The maximum number of the terminals and the permissible rated current depend of the type of terminals, the size of the enclosure, the range of ambient temperature and the temperature class. These parameters are described on the descriptive documents.

These enclosures are intended to be used in the following ranges of ambient temperature, in accordance with the temperature class T6/T85°C, T5/T100°C, T4/T135°C or T3/T200°C, the thermal stability of the terminals and the range of ambient temperature of the component installed in the enclosure:

- *temperature from -20°C to -60°C for "Ex e" and "Ex tb" versions.*
- *Maximum ambient temperature from +40°C to 80°C for "Ex e" version for types of terminals specified in the descriptive documents and "Ex tb"*
- *Maximum ambient temperature from +40°C to 160°C for "Ex e" (version only with terminals SAK covered by certificate SIRA 03ATEX3425U) and "Ex tb"*

The components other than terminals can be installed only when the wiring section of each wire and terminal is 2.5 mm² and with a maximum current of 6 A. This configuration is only for a maximum ambient temperature 60°C.

Enclosures "Ex tb" with component and/or terminals:

Maximum supply voltage : 1 100 V

Maximum power dissipated is indicated on the descriptive documentation in accordance with the size of enclosure, the temperature class and the ambient temperature.

Coffrets "Ex e" et "Ex tb" avec barres de cuivre :

Tension maximale : 750 V

Intensité maximale : Voir tableau ci-dessous.

Le nombre maximal des barres et l'intensité assignée dépendent de la taille du coffret, de la gamme de températures ambiantes et de la classe de température. Ces différents paramètres sont définis dans les documents descriptifs.

Les coffrets intégrant des barres de cuivres sont destinés à être utilisés dans une gamme de température ambiante de -60C° à +100°C.

Enclosures "Ex e" and "Ex tb" with bus bar:

Maximum supply voltage : 750 V

Maximum intensity : see table below

The maximum number of the bars and the permissible rated current depend of the size of the enclosure, the range of ambient temperature and the temperature class. These parameters are described on the descriptive documents.

The enclosures including bars are intended to be used in the range of ambient temperature from -60°C up to 100°C.

Courant max (section des barres) / ***Max current (Size of bar)***	**Température ambiante max.** / ***Max. Ambient temperature***	**Classe de température pour ESA** / ***Temperature class for ESA***	**Classe de température pour ESX** / ***Temperature class for ESX***
85 A (48 mm²) 160 A (100 mm²) 275 A (250 mm²)	+100°C	T4/T135°C	T3/T200°C
130 A (48 mm²) 200 A (100 mm²) 400 A (250 mm²)	+80°C	T4/T135°C	T3/T200°C
300 A (250 mm²)	+55°C	T5/T100°C	-
300 A (250 mm²)	+60°C	-	T4/T135°C

MARQUAGE :

Le marquage doit être lisible et indélébile ; il doit comporter les indications suivantes :

A- Coffret "Ex e" et "tb" équipé seulement de bornes de raccordement ou de barres :

NUOVA ASP
I - 20090 Trezzano Sul Naviglio (MI)
ESA… ou ESX… **(1)**
INERIS 03ATEX0027X
(Numéro de série)
(Année de construction)
⟨Ex⟩ II 2G
Ex e **(2)** IIB ou IIC T6 ou T5 ou T4 ou T3 Gb
⟨Ex⟩ II 2D
Ex tb IIIC T85°C ou T100°C ou T135°C ou T200°C Db IP66 ou IP65
…°C ≤ Tamb ≤ …°C **(3)**
T. câble = **(4)**
(Tension et courant et/ou puissance assignés)
AVERTISSEMENT : NE PAS OUVRIR SOUS TENSION

(1) Le type est complété par des chiffres correspondant à la taille d coffret.
(2) Le code marquage Ex peut être complété par l'indication du mode protection « ia » selon le type de bornes de raccordement installées dans le coffret.
(3) Indication de la gamme de températures ambiantes si différente de -20°C à +40°C.
(4) Indication quand la température est supérieure à 70°C.

MARKING :

Marking has to be readable and indelible; it has to include the following indications:

A- Enclosure "Ex e" and "tb" fitted only with terminals or bars:

NUOVA ASP
I - 20090 Trezzano Sul Naviglio (MI)
*ESA… or ESX… **(1)***
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
⟨Ex⟩ *II 2G*
*Ex e **(2)** IIB or IIC T6 or T5 or T4 or T3 Gb*
⟨Ex⟩ *II 2D*
Ex tb IIIC T85°C or T100°C or T135°C or T200°C Db IP66 or IP65
*…°C ≤ Tamb ≤ …°C **(3)***
*T. cable = **(4)***
(Rated voltage and rated current and/or rated power)
***WARNING**: DO NOT OPEN WHEN ENERGIZED*

(1) *Type is completed by numbers corresponding to the size of the enclosure.*
(2) *The marking code Ex could be completed by the indication of the type of protection "ia" in accordance with the type of terminals inside the enclosures.*
(3) *Indication of the range of temperature ambient if different from -20°C to +40°C.*
(4) *Indication when the temperature is higher than 70°C.*

B- Coffret "Ex e" et "tb" équipé de bornes et de composants :

NUOVA ASP
I - 20090 Trezzano Sul Naviglio (MI)
ESA… ou ESX… **(1)**
INERIS 03ATEX0027X
(Numéro de série)
(Année de construction)
Ⓔx II 2G
Ex **(2)** e IIB ou IIC T6 ou T5 ou T4 Gb
Ⓔx II 2D
Ex tb IIIC T85°C ou T100°C Db
IP66 ou IP65
…°C ≤ Tamb ≤ …°C **(3)**
T. câble = **(4)**
(Tension et courant et/ou puissance assignés)
AVERTISSEMENT : NE PAS OUVRIR SOUS TENSION

(1) Le type est complété par des chiffres correspondant à la taille d coffret.
(2) Le code marquage Ex est complété par l'indication du type de protection, par ordre alphabétique, du composant installé dans le coffret.
(3) Indication de la gamme de températures ambiantes si différente de -20°C à +40°C.
(4) Indication quand la température est supérieure à 70°C.

C- Coffret "Ex tb" :

NUOVA ASP
I - 20090 Trezzano Sul Naviglio (MI)
ESA… ou ESX… **(1)**
INERIS 03ATEX0027X
(Numéro de série)
(Année de construction)
Ⓔx II 2D
Ex tb IIIC T85°C, T100°C ou T135°C Db
IP66 ou IP65
…°C ≤ Tamb ≤ …°C **(2)**
T. câble = **(3)**
AVERTISSEMENT : NE PAS OUVRIR SOUS TENSION

(1) Le type est complété par des chiffres correspondant à la taille d coffret.
(2) Indication de la gamme de températures ambiantes si différente de -20°C à +40°C.
(3) 90°C pour T100°C ou 120°C pour T135°C.

L'ensemble du marquage peut être réalisé dans la langue du pays d'utilisation.

L'appareil ou le système de protection doit aussi porter le marquage normalement prévu par les normes de construction qui le concernent.

EXAMENS ET ESSAIS INDIVIDUELS :

Conformément au § 7.1 de la norme EN 60079-7, une épreuve de rigidité diélectrique sur chacun des différents circuits du matériel, effectuée selon les normes appropriées, la tension d'épreuve étant appliquée pendant une minute.

B- Enclosure "Ex e" and "tb" fitted with terminals and components:

NUOVA ASP
I - 20090 Trezzano Sul Naviglio (MI)
*ESA… or ESX… **(1)***
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ⓔx *II 2G*
*Ex **(2)** e IIB or IIC T6 or T5 or T4 Gb*
Ⓔx *II 2D*
Ex tb IIIC T85°C or T100°C or T135°C Db
IP66 or IP65
*…°C ≤ Tamb ≤ …°C **(3)***
*T. cable = **(4)***
(Rated voltage and rated current and/or rated power)
***WARNING**: DO NOT OPEN WHEN ENERGIZED*

***(1)** Type is completed by numbers corresponding to the size of the enclosure.*
***(2)** The marking code Ex is completed by the indication of the type of protection of the component installed in the enclosure in the alphabetical order.*
***(3)** Indication of the range of ambient temperature if different from -20°C to +40°C.*
***(4)** Indication when the temperature is higher than 70°C.*

C- Enclosure "Ex tb" only for dust protection:

NUOVA ASP
I - 20090 Trezzano Sul Naviglio (MI)
*ESA… or ESX… **(1)***
INERIS 03ATEX0027X
(Serial number)
(Year of construction)
Ⓔx *II 2D*
Ex tb IIIC T85°C, T100°C or T135°C Db
IP66 or IP65
*…°C ≤ Tamb ≤ …°C **(2)***
*T. cable = **(3)***
***WARNING**: DO NOT OPEN WHEN ENERGIZED*

***(1)** Type is completed by numbers corresponding to the size of the enclosure.*
***(2)** Indication of the range of ambient temperature if different from -20°C to +40°C.*
***(3)** 90°C for T100°C or 120°C for T135°C.*

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS :

In accordance with clause 7.1 of the EN 60079-7 standard, a dielectric strength test on each of the different circuits of the connection units, performed according to the relevant standards, the supply voltage shall be applied during one minute.

16 DOCUMENTS DESCRIPTIFS :

Les documents descriptifs cités ci-après, constituent la documentation technique de l'appareil, objet de la présente attestation.

16 DESCRIPTIVE DOCUMENTS :

The descriptive documents quoted hereafter constitute the technical documentation of the equipment, subject of this certificate.

Titre / *Title*	Réf. / *Ref.*	Rév. / *Rev.*	Date / *Date*
Dossier technique/*Technical file* (1 page/ 24 Rubriques/Rubrics)	11-228	2A	2017-04-12

17 CONDITIONS SPÉCIALES D'UTILISATION :

- Les coffrets peuvent être utilisés pour différentes températures ambiantes comprises entre -60°C et +160°C en fonction des composants installés sur les coffrets et en accord avec les documents descriptifs.

Les instructions d'utilisation sont complétées par celles spécifiées dans la notice d'instructions du fabricant et des composants constitutifs de l'équipement final.

17 SPECIFIC CONDITIONS OF USE :

- *The enclosures could be used in different ambient temperatures ranges comprised from -60°C up to +160°C following the components fitted on the enclosures and in accordance with the descriptive documents.*

The instructions for safe use are completed by those stipulated in the instructions manuals of the manufacturer and of each Ex component fitted on the final product.

18 EXIGENCES ESSENTIELLES DE SECURITE ET DE SANTE :

Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par :

- La conformité aux normes listées au paragraphe (9).
- L'ensemble des dispositions adoptées par le constructeur et décrites dans les documents descriptifs.

18 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS :

The respect of the Essential Health and Safety Requirements is ensured by:

- *Conformity to the standards quoted in clause (9).*
- *All provisions adopted by the manufacturer and defined in the descriptive documents.*

19 REMARQUES :

Les indices 00 à 05 font référence à l'attestation d'examen CE de type n°INERIS 03ATEX0027X et ses compléments émis précédemment conformément à la directive 94/9/CE.

Les modifications de l'indice 06 concernent :

- Introduction des coffrets ESX type ESX150110 et ESX 200180 (déjà couvert pour le certificat composant INERIS 13ATEX9027U)
- Introduction de bornes avec des sections de câble jusqu'à 300 mm²
- Mise à jour des paramètres électriques maximum
- Application de la norme EN 60079-31 :2014
- Mise à jour des éditions de normes en fonction des certificats des composants qui peuvent être montés sur les coffrets.

19 REMARKS :

The issues 00 à 05 refer(s) to the EC-type examination certificate N° INERIS 03ATEX0027X and its additions issued previously according to the Directive 94/9/EC.

The changes of the issue 06 are regarding:

- *Introduction of the ESX enclosures type ESX150110 and ESX 200180 (already covered by the component certificate INERIS 13ATEX9027U)*
- *Introduction of terminals with maximum cross-sections until 300mm².*
- *Update of the maximum electrical parameters*
- *Application of the standard EN 60079-31:2014*
- *Update of the standard versions in accordance with the certificates of the components that could be fitted with the enclosures.*

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Liste des composants qui peuvent être montés sur les coffrets et états des évaluations par rapport aux anciennes éditions de normes / *List of components that could be mounted on the enclosure and statement of the assessments regarding the older editions of the standard:*

Fabricant / *Manufacturer*	**Type d'accessoires / *Type operating device***	**Code / *Code***	**Numéro de certificat ATEX / *ATEX Certificate number***	**Edition de normes / *Standards edition***	**(1)**
CEAG GmbH	Moving-iron voltmeter Moving-iron amperemeter Moving-coil amperemeter (only intrinsic safety protection)	VM 45 VM 72 AM 45 AM 72	BVS 14ATEX-E125U	EN 60079-0:2012 EN 60079-7:2007 EN 60079-11:2012 EN 60079-18:2009	**(2)**
Pepperl & Fuchs GmbH	Multifunctional terminal	MFT-***	PTB 07ATEX1004U	EN 60079-0:2006 EN 60079:1-2007 EN 60079-7:2007	**(2)**
Quintex GmbH	Explosion proof switch module	QX0201	EPS 11ATEX1396U	EN 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007 EN 61241-0:2004 EN 61241-1:2004	**(2)**
Quintex GmbH	Explosion proof signal lamp module	QX0202	EPS 11ATEX1397U	EN 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007 EN 61241-0:2004 EN 61241-1:2004	**(2)**
Quintex GmbH	Explosion proof potentiometer module	QX0203	EPS 11ATEX1398U	EN 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007 EN 61241-0:2004 EN 61241-1:2004	**(2)**
Quintex GmbH	Explosion proof ammeter module	QX0205	EPS 11ATEX1399U	EN 60079-0:2009 EN 60079-7:2007 EN 61241-0:2004 EN 61241-1:2004	**(2)**
Quintex GmbH	Explosion proof signal lamp with button module	QX0212	EPS 11ATEX1400U	EN 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007 EN 61241-0:2004 EN 61241-1:2004	**(2)**
FEAM	Beathing and draining valve	ECD***	EXA 14ATEX0059U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007 EN 60079-31:2009	**(2)**
NUOVA ASP	Beathing and draining valve	ECD***	EXA 14ATEX0058U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007 EN 60079-31:2009	**(2)**
FENEx	Beathing and draining valve	ECD***	EXA 14ATEX0063U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007 EN 60079-31:2009	**(2)**
Weidmuller	Terminals	Terminal block ZDU-ZPE_N	KEMA 06ATEX0271U	EN 60079-0:2006 EN 60079-7:2003	**(2)**
Weidmuller	Terminals	Terminal block SAK-EK	KEMA 97ATEX1798U	EN 60079-0:2004 EN 60079-7:2003	**(2)**
Weidmuller	Terminals	WFF	KEMA 98ATEX1684U	EN 60079-0:2006 EN 60079-7:2003	**(2)**
NUOVA ASP	Explosion-proof control switch	IRE-*	LCIE 11ATEX3023U	EN 60079-2012/A11:2013 EN 60079-1:2007 EN 60079-7:2007	**(2)**
FEAM	Explosion-proof control switch	IRE-*	LCIE 13ATEX3004U	EN 60079-2012/A11:2013 EN 60079-1:2007 EN 60079-7:2007	**(2)**
NUOVA ASP	Pushbutton	PBE-*	LCIE 11ATEX3033U	EN 60079-2012/A11:2013 EN 60079-1:2007 EN 60079-7:2007	**(2)**

Fabricant / ***Manufacturer***	**Type d'accessoires /** ***Type operating device***	**Code /** ***Code***	**Numéro de certificat ATEX /** ***ATEX Certificate number***	**Edition de normes /** ***Standards edition***	**(1)**
FEAM	Flameproof button	PBE-*	LCIE 13ATEX3005U	EN 60079:02012/A11:2013 EN 60079-1:2007 EN 60079-7:2007	**(2)**
NUOVA ASP	Ammeter	AM**	LCIE 13ATEX3006U	EN 60079-2012/A11:2013 EN 60079-7:2007	**(2)**
FEAM	Ammeter	AM**	LCIE 13ATEX3007U	EN 60079-2012/A11:2013 EN 60079-7:2007	**(2)**
NUOVA ASP	Explosion proof indicator	LIE-*	LCIE 11ATEX3034U	EN 60079-2012/A11:2013 EN 60079-1:2007 EN 60079-7:2007	**(2)**
FEAM	Explosion proof indicator	LIE-*	LCIE 13ATEX3021U	EN 60079-2012/A11:2013 EN 60079-1:2007 EN 60079-7:2007	**(2)**
WAGO	Terminals	TOP JOB S 2002-***7	PTB 03ATEX1162U	EN 60079-0:2009 EN 60079-7:2007	**(2)**
WAGO	Terminals	TOP JOB S 2006-***7	PTB 05ATEX1030U	EN 60079-0:2009 EN 60079-7:2007	**(2)**
WAGO	Terminals	TOP JOB S 2016-***7	PTB 05ATEX1031U	EN 60079-0:2012 EN 60079-7:2007	**(2)**
WAGO	Terminals	TOP JOB S 2004-***7	PTB 05ATEX1095U	EN 60079-0:2009 EN 60079-7:2007	**(2)**
WAGO	Terminals	TOP JOB S 2001-***7	PTB 05ATEX1094U	EN 60079-0:2009 EN 60079-7:2007	**(2)**
WAGO	Terminals	TOP JOB S 2010-***7	PTB 05ATEX1070U	EN 60079-0:2009 EN 60079-7:2007	**(2)**
STAHL GmbH	Control switch / switch-Disconnector	8008/2-***	PTB 00ATEX1111U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007	**(2)**
STAHL GmbH	Contact element / isolating terminal	8082/1-*-**	PTB 00ATEX1031U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007	**(2)**
STAHL GmbH	Command and signalling adapters	8602/-*	PTB 01ATEX1129U	EN 60079-0:2004 EN 60079-7:2003 EN 61241-0:2004 EN 61241-1:2014	**(2)**
STAHL GmbH	Indicator light for panel	8010/***	PTB 01ATEX1160U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007 EN 60079-11:2012	**(2)**
STAHL GmbH	Amperemeter Voltmeter	8403/2-*** 8404/4-*** 8405/2-***	PTB 01ATEX2158U	EN 60079-0:2004 EN 60079-7:2003 EN 60079-18:2004	**(2)**
STAHL GmbH	Control units with resistor	8453/*	PTB 01ATEX1067U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007	**(2)**
STAHL GmbH	Control unit (potentiometer)	8208/**-**	PTB 01ATEX1066U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007	**(2)**
STAHL GmbH	Push button for panel	8003/1.2*** 8003/1.4***	PTB 02ATEX1080U	EN 50014:1997+A1+A2 EN 50018:2000 EN 50019:2000	**(2)**
STAHL GmbH	POTentiometer for panel	8455/4	PTB 02ATEX2157U	EN 60079-0:2006 EN 60079-1:2004 EN 60079-7:2003 EN 60079-18:2004	**(2)**
STAHL GmbH	Indicator light for panel	8013/2-**-* 8013/4-**-*	PTB 02ATEX2130U	EN 60079-0:2006 EN 60079-1:2004 EN 60079-7:2003 EN 60079-11:2007 EN 60079-18:2004	**(2)**
BARTEC GmBH	Circuit module and control circuit switch	07-3321-1... 07-3323-1... 07-3331-1...	PTB 99ATEX1043U	EN 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007	**(2)**
BARTEC GmBH	Control and signalling device adapters	05-0003-00**/****	PTB 00ATEX3114U	EN 60079-0:2012 EN 60079-7:2007 EN 60079-31:2009	**(2)**

Fabricant / *Manufacturer*	**Type d'accessoires / *Type operating device***	**Code / *Code***	**Numéro de certificat ATEX / *ATEX Certificate number***	**Edition de normes / *Standards edition***	**(1)**
BARTEC GmbH	Control and signalling device adapters	05-0003-00**/****	CML 13ATEX3010U	EN 60079-0:2012 EN 60079-7:2007 EN 60079-31:2010	**(2)**
BARTEC GmbH	Lamp and illuminated indicator module illuminated push button	07-335*-*.. 07-336*-*..	PTB 07ATEX1064U	EN 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007 EN 60079-11:2012	**(2)**
WAGO	Terminals	TOP JOB S 2000-1**7	PTB 11ATEX1041U	EN 60079-0:2009 EN 60079-7:2007	**(2)**
Weidmuller	Terminals	SAKK	SIRA 03ATEX3425U	EN 60079-0:2004 EN 60079-7:2003	**(2)**
Weidmuller	Terminals	BK	SIRA 01 ATEX3247U	EN 60079-0:2004 EN 60079-7:2003	**(2)**
Weidmuller	Terminals	Terminal block AKZ-AKE	SIRA 02ATEX3001 U	EN 60079-0:2004 EN 60079-7:2003	**(2)**
Weidmuller	Terminals	WDU_TC	DEMKO 14ATEX1338U	EN 60079-0:2012+A11:2013 EN 60079-7:2007	**(2)**
Weidmuller	Terminals	Terminal block WDK	KEMA 98ATEX1687U KEMA 00ATEX2061U	EN 60079-0:2004 EN 60079-7:2003	**(2)**
Weidmuller	Terminals	Terminal block ZDU-ZPE	KEMA 01ATEX2106U KEMA 97ATEX2521U KEMA 00ATEX2107U KEMA 99ATEX5514U	EN 60079-0:2004 EN 60079-7:2003	**(2)**
Weidmuller	Terminals	Terminal block WDU-WPE	DEMKO 14ATEX1338U	EN 60079-0:2012+A11:2013 EN 60079-7:2007	**(2)**

(1) Evaluation par rapport aux précédentes éditions de normes / *Statement of the older editions of the standard*

(2) Pas de différences techniques applicables par rapport aux dernières versions des normes EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-7:2007, EN 60079-11:2012, EN 60079-18:2009, EN 60079-31:2014 / *No applicable Technical Differences with the last version of the standard EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-7:2007, EN 60079-11:2012, EN 60079-18:2009, EN 60079-31:2014*