



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx INE 14.0006X Issue No: 1 Certificate history:
Issue No. 1 (2016-12-02)
Status: Current Page 1 of 4 Issue No. 0 (2014-07-17)
Date of Issue: 2016-12-02
Applicant: Ex-Tech Group
Forus PB256
NO-4066 Stavenger
Norway
Equipment: Enclosures type EJB...
Optional accessory:
Type of Protection: d, tb, d [ia Ga] ,d [ib] , tb [ia Da] tb [ib]
Marking:
Ex db IIB+H₂ T6 Gb, Ex db IIB+H₂ T5 Gb or Ex db IIB+H₂ T4 Gb
Ex db [ia IIA or IIB or IIC Ga] IIB+H₂ T6 Gb or Ex db [ib IIA or IIB or IIC] IIB+H₂ T6 Gb
Ex db IMb or Ex db [ia Ma] I Mb or Ex db [ib] I Mb
Ex tb IIIC T85°C Db, Ex tb IIIC T100°C Db or Ex tb IIIC T135°C Db
Ex tb [ia Da] IIIC T85°C Db IP66
Ex tb [ib] IIIC T85°C Db IP66

Approved for issue on behalf of the IECEx
Certification Body:

Thierry HOUEIX

Position:

Ex Certification Officer

Signature:
(for printed version)

Date:

2016-12-02



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3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

INERIS
Institut National de l'Environnement Industriel
et des Risques, BP n2
Parc Technologique ALATA
France



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Manufacturer: **Ex-Tech Solution**
22, impasse de la volute
FR-16430 Champniers
France

Additional Manufacturing location(s):

Ex-tech System

Forus PB256
NO-4066 Stavenger
Norway

Ex-tech Signaling

355, rue de la Genoise
FR-16430 Champniers
France

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

FR/INE/ExTR14.0006/00 FR/INE/ExTR14.0006/01

Quality Assessment Report:

NO/NEM/QAR13.0011/02 NO/PRE/QAR15.0038/00 FR/INE/QAR08.0008/07



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

These metallic enclosures, of different sizes, are made in steel, stainless steel, or aluminum. They are intended to contain mainly electrical 'NIS' devices and also 'IS' element covered by an IECEx certificate.

The lid of the enclosure type EJB-B up to EJB-H can be fitted with window and the short side of the enclosure type EJB-H, made in stainless steel, can be fitted with a circular window.

The enclosures type EJB-E, EJB-F, EJB-G and EJB-H could be fitted with fan having a maximum flow rate of 150 liters by minute.

The enclosure can be fitted with operators devices as push button, switch and signaling lamp they also can be fitted with the operators devices covered by Ex component certificate IECEx INE 14.0023U and/or with actuator or signalisation units covered by Ex component certificate IECEx INE 15.0059U.

The cover is fixed by screws with minimum quality A4-70.

The enclosure get the degrees of protection IP66 in accordance with IEC 60529.

CONDITIONS OF CERTIFICATION: YES as shown below:

The flameproof joints have different values from those specified in the tables of IEC 60079-1 standard. For any repair to contact the manufacturer.

For group I, during the installation, the user will take into account that this equipment underwent only a shock corresponding to an energy of a low risk.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Purpose of Issue 01:

- Application of the following standards:

IEC 60079-31 : 2013.

IEC 60079-1: 2014.

IEC 60079-11: 2011

- Modification of the address.

- Possibility to use the enclosures in explosives atmospheres with hydrogen for group IIB + H2 for ambient temperature from -20°C up to -50°C to 60°C.

- Possibility to use the enclosures, made in stainless steel without window, in explosives atmospheres for group I for ambient temperature from -20°C up to -50°C to 60°C.

- Possibility to make the enclosure in steel S355J2G3 for ambient temperature from -20°C up to -50°C to 60°C.

- Possibility to install windows on the cover of the enclosures EJB-B up to EJB-H.

- Possibility to install a circular window type W on one of the short side of the enclosure type EJB-H made in stainless steel.

- Possibility to install, for all types, operators devices covered by Ex component certificate IECEx INE 14.0023U, and actuator or signalisation units covered by Ex component certificate IECEx INE 15.0059U.

- Possibility to install, for all types, some operators devices as push button, switches and signaling lamp.

- Possibility to use intrinsic safety elements [Ia IIA or IIB or IIC] or [Ib IIA or IIB or IIC].

- Possibility to use the version with intrinsic safety element from -25°C up to -50°C when the enclosure is fitted with an internal thermostat except if the intrinsic safety element is intended for low ambient temperature down to -50°C.

- Modification of marking and electrical parameters with new dissipated powers.

- Possibility to increase the size of entries.

- Possibility of manufacturing the faces of enclosures made in aluminum to have a flat part for a better installation of the cylindrical cable glands.

Annex:

[IECEx INE 14.0006X-01_Annex.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage of "NIS" elements: 15000 V AC/DC.
Maximum supply voltage of "IS" elements: 250 V AC/DC
Frequency: 50/60Hz.
Maximum power of the signalling LED lamp: 1 watt

The maximum dissipated power is in accordance with the type of enclosure, the temperature class and the ambient temperature as stipulated on the tables below.

These enclosures can be used in range of ambient temperatures:

For enclosures without window: From -20°C to -50°C to 40°C, 50°C or 60°C.
For enclosures with window: From -20°C to 40°C, 50°C or 60°C.
For enclosures with signaling lamp: From -20°C to 40°C, 50°C or 60°C.
For enclosures with components
IECEX INE 14.0023U and IECEX INE 15.0059U: From -20°C to -50°C to 40°C, 50°C or 60°C.

When the minimum ambient temperature of the enclosure is greater or equal than the minimum ambient temperature specified in the certificate of the intrinsic safety elements, it is not necessary to add an internal thermostat.

When the minimum ambient temperature of the enclosure is lower than the minimum ambient temperature specified in the certificate of the intrinsic safety elements, the enclosure shall be provided with a calibrated thermostat near the intrinsic safety elements in order to switch off the power supply of these elements.

The threshold of thermal probe shall be:

Ambient temperature of the IS element	Threshold of release of the thermal probe
$\geq -30^{\circ}\text{C}$	$-25^{\circ}\text{C} \pm 5^{\circ}\text{C}$
$\geq -40^{\circ}\text{C}$	$-35^{\circ}\text{C} \pm 5^{\circ}\text{C}$
$\geq -50^{\circ}\text{C}$	$-45^{\circ}\text{C} \pm 5^{\circ}\text{C}$



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MARKING

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

A – Enclosures without intrinsic safety element:

- See table below
- EJB...(*)
- IECEX INE 14.0006X
- (Serial number)
- Ex db IIB+H₂ T(**) Gb
- Ex tb IIIC T(**) Db
- ... °C < Tamb < ... °C (***)
- T.Cable : (**)

WARNINGS:

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

READ INSTRUCTIONS NOTE BEFORE INSTALLATION AND USE.

(*) One of the following types: EJB-A, EJB-B, EJB-C, EJB-D, EJB-E, EJB-F, EJB-G or EJB-H.

(**) Depending on ambient temperature and dissipated power see table 1 below.

(***) One of the range of the ambient temperature stipulated in the parameters relating to the safety above if different to -20°C +40°C.

B - Enclosures with intrinsic safety element [ia]:

- See table below
- EJB...(*)
- IECEX INE 14.0006X
- (Serial number)
- Ex db [ia IIA or IIB or IIC Ga] IIB+H₂ T6 Gb
- Ex tb [ia Da] IIIC T85°C Db
- ... °C < Tamb < ... °C (***)
- T.Cable : (**)

WARNINGS:

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

READ INSTRUCTIONS NOTE BEFORE INSTALLATION AND USE.

(*) One of the following types: EJB-A, EJB-B, EJB-C, EJB-D, EJB-E, EJB-F, EJB-G or EJB-H.

(**) Depending on ambient temperature and dissipated power see tables 2 or 3 below.

(***) One of the range of the ambient temperature stipulated in the parameters relating to the safety above if different to -20°C +40°C.



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C - Enclosures with intrinsic safety element [ib]:

- See table below
- EJB...(*)
- IECEX INE 14.0006X
- (Serial number)
- Ex db [ib IIA or IIB or IIC] IIB+H2 T6 Gb
- Ex tb [ib] IIIC T85°C Db
- ...°C < Tamb < ...°C (***)
- T.Cable : (**)

WARNINGS:

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

READ INSTRUCTIONS NOTE BEFORE INSTALLATION AND USE.

(*) One of the following types: EJB-A, EJB-B, EJB-C, EJB-D, EJB-E, EJB-F, EJB-G or EJB-H.

(**) Depending on ambient temperature and dissipated power see tables 2 or 3 below.

(***) One of the range of the ambient temperature stipulated in the parameters relating to the safety above if different to -20°C +40°C.

D - Enclosures for group I without intrinsic safety element:

- See table below
- EJB...(*)
- IECEX INE 14.0006X
- (Serial number)
- Ex db I Mb
- ...°C < Tamb < ...°C (***)
- T.Cable : (**)

WARNINGS:

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

READ INSTRUCTIONS NOTE BEFORE INSTALLATION AND USE.

(*) One of the following types: EJB-A, EJB-B, EJB-C, EJB-D, EJB-E, EJB-F, EJB-G or EJB-H.

(**) Depending on ambient temperature and dissipated power see table 4 below.

(***) One of the range of the ambient temperature stipulated in the parameters relating to the safety above if different to -20°C +40°C.



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E - Enclosures for group I with intrinsic safety element [ia]:

- See table below
- EJB...(*)
- IECEX INE 14.0006X
- (Serial number)
- Ex db [ia Ma] I Mb
- ... °C < Tamb < ... °C (***)
- T.Cable : (**)

WARNINGS:

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

READ INSTRUCTIONS NOTE BEFORE INSTALLATION AND USE.

(*) One of the following types: EJB-A, EJB-B, EJB-C, EJB-D, EJB-E, EJB-F, EJB-G or EJB-H.

(**) Depending on ambient temperature and dissipated power see tables 3 or 4 below.

(***) One of the range of the ambient temperature stipulated in the parameters relating to the safety above if different to -20°C +40°C.

F - Enclosures for group I with intrinsic safety element [ib]:

- See table below
- EJB...(*)
- IECEX INE 14.0006X
- (Serial number)
- Ex db [ib] I Mb
- ... °C < Tamb < ... °C (***)
- T.Cable : (**)

WARNINGS:

DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

READ INSTRUCTIONS NOTE BEFORE INSTALLATION AND USE.

(*) One of the following types: EJB-A, EJB-B, EJB-C, EJB-D, EJB-E, EJB-F, EJB-G or EJB-H.

(**) Depending on ambient temperature and dissipated power see table 6 below.

(***) One of the range of the ambient temperature stipulated in the parameters relating to the safety above if different to -20°C +40°C.



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Table 1 Enclosure without intrinsic safety element

Type of enclosure	Temperature class		Maximum dissipated power dissipated and ambient temperature Without Window			Maximum dissipated power dissipated and ambient temperature Without Window			Cable temperature
	Gas	Dust	40°C	50°C	60°C	40°C	50°C	60°C	
EJB-A	T6	T85°C	90W	60W	25W	-----	-----	-----	No marking
			120W	95W	75W	-----	-----	-----	95°C
	T5	T100°C	110W	85W	60W	-----	-----	-----	90°C
			90W	60W	25W	-----	-----	-----	No marking
	T4	T135°C	205W	180W	155W	-----	-----	-----	135°C
			110W	85W	60W	-----	-----	-----	90°C
			90W	60W	25W	-----	-----	No marking	
EJB-B	T6	T85°C	125W	90W	55W	80 W	55 W	35 W	85°C
			120W	75W	30W	75W	45W	20W	No marking
	T5	T100°C	180W	145W	110W	115 W	90 W	70 W	100°C
			155W	120W	85W	95W	75W	50W	90°C
	T4	T135°C	120W	75W	30W	75W	45W	20W	No marking
			305W	270W	235W	195 W	170 W	150 W	135°C
			155W	120W	85W	95W	75W	50W	90°C
			120W	75W	30W	75W	45W	20W	No marking
EJB-C	T6	T85°C	210W	150W	95W	130 W	95 W	60 W	85°C
			200W	125W	50W	125W	80W	30W	No marking
	T5	T100°C	295W	235W	180W	185 W	150 W	115 W	100°C
			255W	200W	140W	160W	125W	85W	90°C
	T4	T135°C	200W	125W	50W	125W	80W	30W	No marking
			500W	440W	380W	320 W	280 W	240 W	135°C
			255W	200W	140W	160W	125W	85W	90°C
			200W	125W	50W	125W	80W	30W	No marking
EJB-D	T6	T85°C	255W	185W	115W	160 W	115 W	70 W	85°C
			245W	155W	65W	155W	100W	40W	No marking
	T5	T100°C	360W	290W	220W	230 W	185 W	140 W	100°C
			310W	245W	175W	195W	155W	110W	90°C
	T4	T135°C	245W	155W	65W	155W	100W	40W	No marking
			610W	535W	465W	390 W	340 W	295 W	135°C
			310W	245W	175W	195W	155W	110W	90°C
			245W	155W	65W	155W	100W	40W	No marking



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Type of enclosure	Temperature class		Maximum dissipated power dissipated and ambient temperature Without Window			Maximum dissipated power dissipated and ambient temperature Without Window			Cable temperature
	Gas	Dust	40°C	50°C	60°C	40°C	50°C	60°C	
EJB-E	T6	T85°C	265W	200W	125W	165 W	125 W	80 W	95°C
			210W	150W	80W	130W	95W	50W	No marking
	T5	T100°C	390W	315W	240W	250 W	200 W	150 W	115°C
			265W	200W	125W	165W	125W	80W	90°C
			210W	150W	80W	130W	95W	50W	No marking
	T4	T135°C	655W	580W	505W	415 W	370 W	320 W	160°C
			265W	200W	125W	165W	125W	80W	90°C
			210W	150W	80W	130W	95W	50W	No marking
	EJB-F	T6	T85°C	350W	265W	165W	220 W	165 W	105 W
275W				200W	110W	175W	125W	70W	No marking
T5		T100°C	515W	415W	315W	330 W	265W	200W	115°C
			350W	265W	165W	220W	165W	105W	90°C
			275W	200W	110W	175W	125W	70W	No marking
T4		T135°C	850W	755W	660W	540 W	480W	420W	160°C
			350W	265W	165W	220W	165W	105W	90°C
			275W	200W	110W	175W	125W	70W	No marking
EJB-G		T6	T85°C	410W	315W	195W	260W	200W	125W
	325W			235W	130W	205W	150W	80W	No marking
	T5	T100°C	610W	495W	375W	390 W	315 W	240W	115°C
			410W	315W	195W	260W	200W	120W	90°C
			325W	235W	130W	205W	150W	80W	No marking
	T4	T135°C	1020W	905W	790W	650 W	575W	505W	160°C
			410W	315W	195W	260W	200W	120W	90°C
			325W	235W	130W	205W	150W	80W	No marking
	EJB-H	T6	T85°C	510W	390W	245W	325 W	245W	155W
405W				295W	160W	255W	185W	100W	No marking
T5		T100°C	610W	460W	320W	390 W	290W	205W	115°C
			510W	390W	245W	325W	245W	155W	90°C
			405W	295W	160W	255W	185W	100W	No marking
T4		T135°C	1260W	1120 W	975W	805 W	715 W	620 W	160°C
			840W	720W	610W	535W	460W	390W	120°C
			510W	390W	245W	325W	245W	155W	90°C
			405W	295W	160W	255W	185W	100W	No marking



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Table 2 Enclosure with intrinsic safety element and with thermal probe.

Type of enclosure	Temperature class		Maximum dissipated power dissipated and ambient temperature Without Window			Maximum dissipated power dissipated and ambient temperature Without Window			Cable temperature
	Gas	Dust	40°C	50°C	60°C	40°C	50°C	60°C	
EJB-A	T6	T85°C	90W	60W	25W	-----	-----	-----	No marking
EJB-B	T6	T85°C	125W	90W	55W	80W	55W	35W	85°C
			120W	75W	30W	75W	45W	20W	No marking
EJB-C	T6	T85°C	210W	150W	95W	130 W	95 W	60 W	85°C
			200W	125W	50W	125W	80W	30W	No marking
EJB-D	T6	T85°C	255W	185W	115W	160W	115W	70W	85°C
			245W	155W	65W	155W	100W	40W	No marking
EJB-E	T6	T85°C	265W	200W	125W	165W	125W	80W	90°C
			210W	150W	80W	130W	95W	50W	No marking
EJB-F	T6	T85°C	350W	265W	165W	220W	165W	105W	90°C
			275W	200W	110W	175W	125W	70W	No marking
EJB-G	T6	T85°C	410W	315W	195W	260W	200W	125W	90°C
			325W	235W	130W	205W	150W	80W	No marking
EJB-H	T6	T85°C	510W	390W	245W	325W	245W	155W	90°C
			405W	295W	160W	255W	185W	100W	No marking



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Enclosure with intrinsic safety elements with or without window and without thermal sensor for group I and temperature class T6/T85°C.

Type of enclosure	Ambient temperature of the intrinsic safety element	Maximum dissipated power dissipated and ambient temperature		
		40°C	50°C	60°C
EJB-A	60°C	10 W	-----	-----
	70°C	30 W	10 W	-----
	80°C	45 W	30 W	10 W
EJB-B	60°C	20 W	-----	-----
	70°C	40 W	20 W	-----
	80°C	60 W	40 W	20 W
EJB-C	60°C	35 W	-----	-----
	70°C	65 W	35 W	-----
	80°C	100 W	65 W	35 W
EJB-D	60°C	40 W	-----	-----
	70°C	85 W	40 W	-----
	80°C	130 W	85 W	40 W
EJB-E	60°C	50 W	-----	-----
	70°C	100 W	50 W	-----
	80°C	145 W	100 W	50 W
EJB-F	60°C	65 W	-----	-----
	70°C	130 W	65 W	-----
	80°C	190 W	130 W	65 W
EJB-G	60°C	80 W	-----	-----
	70°C	155 W	80 W	-----
	80°C	225 W	155 W	80 W
EJB-H	60°C	100 W	-----	-----
	70°C	190 W	100 W	-----
	80°C	280 W	190 W	100 W



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Table 4: Enclosure for group I without window

Type of enclosure	Maximum power dissipated and ambient temperature without intrinsic safety element			Cable temperature	Maximum power dissipated and ambient temperature with intrinsic safety element and with thermal probe			Cable temperature
	50°C	60°C	50°C		60°C	50°C	60°C	
EJB-A	205W	180W	155W	135°C	90W	60W	25W	No marking
	110W	85W	60W	90°C				
	90W	60W	25W	No marking				
EJB-B	305W	270W	235W	135°C	125W	90W	55W	85°C
	155W	120W	85W	90°C	120W	75W	30W	No marking
	120W	75W	30W	No marking				
EJB-C	500W	440W	380W	135°C	210W	150W	95W	85°C
	255W	200W	140W	90°C	200W	125W	50W	No marking
	200W	125W	50W	No marking				
EJB-D	610W	535W	465W	135°C	255W	185W	115W	85°C
	310W	245W	175W	90°C	245W	155W	65W	No marking
	245W	155W	65W	No marking				
EJB-E	655W	580W	505W	160°C	265W	200W	125W	95°C
	265W	200W	125W	90°C	210W	150W	80W	No marking
	210W	150W	80W	No marking				
EJB-F	850W	755W	660W	160°C	350W	265W	165W	90°C
	350W	265W	165W	90°C	275W	200W	110W	No marking
	275W	200W	110W	No marking				
EJB-G	1020W	905W	790W	160°C	410W	315W	195W	90°C
	410W	315W	195W	90°C	325W	235W	130W	No marking
	325W	235W	130W	No marking				
EJB-H	1260W	1120W	975W	160°C	510W	390W	245W	90°C
	840W	720W	610W	120°C	405W	295W	160W	No marking
	510W	390W	245W	90°C				
	405W	295W	160W	No marking				



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Table 9: Characteristics of the thermal probe installed in the enclosure for the maximum power dissipated in tables 4.

Ambient temperature range of the enclosure	Ambient temperature of the intrinsic safety element	Threshold of release of the thermal probe
40°C	≥ 60°C	55°C ± 5°C
50°C	≥ 70°C	65°C ± 5°C
60°C	≥ 80°C	75°C ± 5°C

ROUTINE EXAMINATIONS AND TESTS

Operators for using at ambient temperature down to -50°C:

In accordance with clause 16.2 of the IEC 60079-1 standard, the operators devices defined above are exempted of routine test in owing to the fact due to the fact that it has undergone a static type test at 4 times the reference pressure under 44.5 bar.

Signaling lamp for using at ambient temperature down to -20°C:

In accordance with clause 16.2 of the IEC 60079-1 standard, the signaling lamps defined above are exempted of routine test in owing to the fact due to the fact that it has undergone a static type test at 4 times the reference pressure under 44.5 bar.

Enclosure for using at ambient temperature down to -20°C:

In accordance with clause 16.1 of the IEC 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under:

- 9.5 bar for enclosure EJB-A.
- 13.5 bar for enclosures EJB-B to EJB-G.
- 12.2 bar for enclosure EJB-H.

Enclosure for using at ambient temperature down to -50°C:

In accordance with clause 16.1 of the IEC 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under:

- 12.8 bar for enclosure EJB-A.
- 16.7 bar for enclosures EJB-B to EJB-G.
- 15.3 bar for enclosure EJB-H.



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LIST OF THE COMPONENT INTENDED TO BE INSTALLED ON THE ENCLOSURES

Type of component	Name of manufacturer	Certificate number	IEC 60079-0	IEC 60079-1	IEC 60079-31
Actuator or Signalisation units	Ex-tech Solution	IECEX INE 15.0059U	2011 ed 6	2014 ed 7	2013 ed 2
Command and signaling units	COELBO	IECEX INE 14.0023U	2011 ed 6	2007 ed 6 (*)	2008 ed 1 (*)

(*) No Major technical changes between the standard IEC 60079-1 2007 ed 6 and 2014 ed 7.

(*) No Major technical changes between the standard IEC 60079-31 2008 ed 1 and 2013 ed 2.