

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.:

IECEx CSA 19.0002X

Page 1 of 4

Certificate history:

Status:

Current

Issue No: 3

Issue 2 (2023-01-31) Issue 1 (2020-09-10) Issue 0 (2019-08-19)

Date of Issue:

2023-06-13

Applicant:

Conax Technologies LLC

2300 Walden Ave.

Buffalo, New York 14225 United States of America

Equipment:

Thermocouple Assemblies

Optional accessory:

Type of Protection:

Ex ec

Marking:

Ex ec IIC Gc T6 to T2

IP66 [P/N; 10-3379-001 and 10-3380-001 w/Terminal Head] -20°C \leq Ta \leq + 260°C

IP54 [P/N; 10-3371-001/-002/-003 and 10-3381-001/-002/-003 w/Harting Connectors] -20°C \leq Ta \leq + 200°C

IP66 [P/N; 10-3719-022/-023/-024, 10-3720-022/-023/-024, and 10-3995-022/023/024 w/Terminal Head]; -20° C \leq Ta

≤+260°C

IP54 [P/N; 10-3631-011 and 10-3633-031 w/Harting connectors];-20°C ≤ Ta ≤+200°C

IP54 [P/N; 10-3637-011/051/061 and 10-3639-031 w/Harting connectors];-20°C \leq Ta \leq +200°C

IP54 [P/N; 10-3653-011 and 10-3655-031 w/Harting connectors];-20°C \leq Ta \leq +200°C

IP66 [P/N; 10-4066-001 thru 006, 10-4069-001, and 10-4070-001 w/Terminal Head]; $-20^{\circ}\text{C} \le \text{Ta} \le +260^{\circ}\text{C}$

IP54 [P/N; 10-4071-001, 10-4072-001, and 10-4073-001 W/Harting connectors]; $-20^{\circ}\text{C} \le \text{Ta} \le +200^{\circ}\text{C}$

Approved for issue on behalf of the IECEx

Certification Body:

Dave Magee

Position:

Senior Director of Operations, Toronto

Signature:

(for printed version)

Date

(for printed version)

1. This certificate and schedule may only be reproduced in full.

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Certificate issued by:

CSA Group 178 Rexdale Boulevard Toronto, Ontario M9W IR3 Canada





Certificate No.:

IECEx CSA 19.0002X

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Date of issue:

2023-06-13

Issue No: 3

Manufacturer:

Conax Technologies LLC 2300 Walden Ave. Buffalo, New York 14225

United States of America

Manufacturing locations:

Conax Technologies LLC

2300 Walden Ave.

Buffalo, New York 14225 United States of America

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 equipment 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 60079-0:2017 Edition:7.0 Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-7:2017

Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

CA/CSA/ExTR19.0002/00 CA/CSA/ExTR19.0002/03 CA/CSA/ExTR19.0002/01

CA/CSA/ExTR19.0002/02

Quality Assessment Report:

CA/CSA/QAR16.0005/07



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EQUIPMENT

Equipment and systems covered by this Certificate are as follows:

Equipment are Conax thermocouple assemblies for Siemens 8000, 9000, and 5000F (6.X) series turbines. See Annex I, II and III respectively for details

SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment shall be protected from risk of mechanical impact either by installation or other suitable means such as enclosures, or mechanical guards.

"WARNING: SEPARATE ONLY IN A NON-HAZARDOUS AREA"

"WARNING: DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED"



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Date of issue: 2023-06-13 Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1 – this Issue introduced the following changes:

- i. Add the following Thermocouple assembly model numbers:
 - 10-3719-022/-023/-024 and 10-3720-022/-023/-024 (w/Terminal Head)
 - 10-3631-011 and 10-3633-031 (w/Harting Connectors)
 - 10-3637-011 and 10-3639-031 (w/Harting connectors)
 - 10-3653-011 and 10-3655-031 (w/Harting connectors)
- ii. Update 60079-7 edition from 5.0 to 5.1.
- iii. Re name Annex document to Annex I.
- iv. Add Annex II.
- v. Clerical correction of drawing revision levels to reflect revision level on existing documents.
- vi. Add documents that support assembly models per 1.1 i.

Issue 2 – this Issue introduced the following changes:

i. Addition of new thermocouple part numbers 10-4066, 10-4069, 10-4070, 10-4071, 10-4072, 10-4073 and 10-3995-XXX.

Issue 3 – this Issue introduced the following changes:

i. Change PJ connectors containing part numbers, 10-4071-001, 10-4072-001 and 10-4073-001 to Harting connectors; and add new model of 10-3637-051 and 10-3637-061 to 10-3637 series assemblies.

Annexes:

Annex III_IECEx_CSA_19.0002X issue 3.pdf Annex II_IECEx_CSA_19.0002X issue 3.pdf Annex I_IECEx_CSA_19.0002X issue 3.pdf





Annex III

Thermocouple Assemblies For Siemens 5000F (6.X) Series Turbine

- 1. Conax P/N 10-4066-001 thru 006 w/ Terminal Head; "Disc Cavity 2/3/4 Thermocouple" Used on Siemens 5000F (6.X) Series Turbine
- 1.1. Consists of two thermocouples in a long slender SST tube. A wiring compartment enclosure, with high temperature terminal block is attached at one end, the thermocouple junctions sealed within the tube are attached at the other end.

outer protection tube diameter of 0.250" (6.3 mm) and a raised face mounting flange The thermocouples are Type "K" with dual hot junctions. The sheath is of 304 SST with an outer tip diameter of 0.125" (3.2 mm) and an

- 1.2. Thermocouple Assembly described in Para. 1.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ +260°C
- Service Temperature at Sensor Tip: +427°C
- Pressure Ratings: 1.03 bar max
- IP rating: 66
- Ratings O/P: 0 to 50 mV max

Conax P/N 10-4069-001 - w/ Terminal Head; "Turbine Casing Thermocouple" Used on Siemens 5000F (6.X) Series Turbine

2.1. Consists of two thermocouples in a long slender SST tube. A wiring compartment enclosure, with high temperature terminal block is attached at one end, the thermocouple junctions sealed within the tube are attached at the other end

14 NPT mounting thread, terminating to SST terminal head The thermocouples are Type "K" with dual hot junctions. The sheath is of 304 SST with an outer tip diameter of 0.250" (6.3 mm) with .50-

- 2.2. Thermocouple Assembly described in Para. 2.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 260°C
- Service Temperature at Sensor Tip: +427°C
- Pressure Ratings: 1.03 bar max
- IP rating: 66





Ratings O/P: 0 to 50 mV max

Conax P/N 10-4070-001 - w/ Terminal Head; "Bladepath Dual Thermocouple" Used on Siemens 5000F (6.X) Series Turbine

3.1. Consists of two thermocouples in a long slender SST tube. A wiring compartment enclosure, with high temperature terminal block is attached at one end, the thermocouple junctions sealed within the tube are attached at the other end.

The thermocouples are Type "KK" with dual hot junctions. The sheath is of 321 SST with an outer tip diameter of 0.187" (4.8 mm) with 75-14 NPT mounting thread, terminating to a SST terminal head.

- 3.2. Thermocouple Assembly described in Para. 3.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 260°C
- Service Temperature at Sensor Tip: +670°C
- Pressure Ratings: 1.2 bar max
- IP rating: 66
- Ratings O/P: 0 to 50 mV max

Conax P/N 10-4071-001 with Harting Connectors; "Flashback Thermocouple" Used on Siemens 5000F (6.X) Series Turbine

4.1. Consists of one thermocouple in a long slender Inconel tube. A wiring compartment enclosure, with multi-pin connector is attached at one end, the thermocouple junctions sealed within the tube are attached at the other end.

The thermocouples are Type "KK" with single hot junctions. The sheath is of Inconel 600 with an outer sheath diameter of 0.125" (3.2 mm) with a reduced diameter tip to 0.062" (1.6mm) with mounting Swagelok fitting, terminating to a multi-pin connector

- 4.2. Thermocouple Assembly described in Para. 4.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 200°C
- Service Temperature at Sensor Tip: +440°C
- Pressure Ratings: @ 25 bar max
- IP ratings: 54
- Ratings O/P: 0 to 50 mV max





Page 3 of 3 (6.X) Series Turbine Conax P/N 10-4072-001 and 10-4073-001 with Harting Connectors; "Compressor Outlet Thermocouple" Used on Siemens 5000F

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5.1. Consists of two thermocouples in a long slender Inconel tube. A wiring compartment enclosure, with multi-pin connector is attached at one end, the thermocouple junctions sealed within the tube are attached at the other end.

The thermocouples are Type "KK" with dual hot junctions. The sheath is of Inconel 600 with an outer sheath diameter of 0.187" (4.8 mm) with a 321 SST tube well with an M36 mounting thread terminating to multi-pin connector.

- 5.2. Thermocouple Assembly described in Para. 4.1 is IECEx certified to:
 Ex ec IIC Gc T6 to T2 with;
- · Ambient Temperature: -20°C ≤ Ta ≤ +200°C
- Service Temperature at Sensor Tip: +450°C
- · Pressure Ratings: 24 bar max
- IP ratings: 54
- · Ratings O/P: 0 to 50 mV max



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Annex I

Thermocouple Assemblies For Siemens 9000 Series Turbine

- Conax P/N 10-3719-022/023/024 (60 HZ Turbine), P/N 10-3720-022/023/024 (50 HZ Turbine) and P/N 10-3995-022/023/024 (60 HZ Turbine) - w/ Terminal Head; "HMS2 Disc Cavity Thermocouple" Used on Siemens 9000 Series Turbine
- 1.1. Consists of two thermocouples in a long slender Inconel tube. A wiring compartment enclosure, with high temperature terminal block is attached at one end, the thermocouple junctions sealed within the tube are at the other end

0.125" (3.2 mm). This assembly is fitted within a 0.236" (6.00 mm) SST overtube with a raised face mounting flange and terminating to a Each of the two (2) thermocouple are a Type "N" with ungrounded hot junctions. The sheath is of Inconel 600 with an outer diameter of

- 1.2. Thermocouple Assembly described in Para. 1.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;

SST terminal head enclosure.

- Ambient Temperature: -20°C ≤ Ta ≤ + 260°C
- Service Temperature at Sensor Tip: +500°C
- Pressure Ratings: @ seal braze = 12 bar max
- Ratings O/P: 0 to 50 mV max
- Ņ Conax P/N 10-3637-011/-051/-061 (60Hz turbine) and 10-3639-031 (50Hz turbine) with Harting Connectors: "Flashback Thermocouple", Used on Siemens 9000 Series Turbine
- 2.1. Consists of two thermocouples in a long slender Inconel tube of gradually increasing outer diameter. A cable assembly with multi-pin connector is attached at one end, the thermocouple junctions within the tube are at the other end.

stainless steel cable extends an additional distance of approximately 59 inches past the tubes and terminates into a multi-pin connector. of approximately 25.5 inches from the junction end. These increasingly larger tubes are approximately 30.1 inches long overall. A flexible Each of the two (2) thermocouples are Type "N", with isolated, ungrounded junctions, sealed within a tube. The first approximately 4 inches at the junction end houses both thermocouples within a 0.078" (1.98 mm) tube. This tube is fitted to a 0.125" (3.18 mm) diameter terminating to pigtail. tube. An approximately 4.6 inch long section of 0.187" (1.75 mm) diameter outer support tube is fitted to this tube, beginning at a distance The wiring is supplied with a Type "N" extension cable assembly, 12 meters (472.5") long with a mating multi-pin Harting connector and





- 2. Thermocouple Assembly described in Para. 2.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 200°C
- Service Temperature at Sensor Tip: +760°C
- Pressure Ratings: @ seal braze = 30 bar max
- IP ratings: 54
- Ratings O/P: 0 to 50 mV max
- ယ Conax P/N 10-3631-011(60Hz Turbine) and 10-3633-031 (50Hz Turbine) w/Harting Connectors: "BladePath Thermocouple" used on Siemens 9000 Series Turbine
- 3.1. Consists of three thermocouples in a long slender Inconel tube, having a stepped increase in diameter. A threaded fitting is provided at connector exits the end of this fitting. the end of the tube, which allows the assembly to be mounted into a process gas stream. A cable assembly with attached multi-pin

assembly. The cable assembly, within a flexible stainless steel tube, terminates to a multi-pin Harting connector. with a bayonet type protection tube hels with three 5mm hex bolts with a slot machined in the side of the pipe to permit passage of a cable tip. This tubular assembly is welded to an M24 X 3 mounting body to accommodate mounting to the turbine. The other end is provided Three Type "N" isolated, ungrounded thermocouple junctions are exposed at the end of a 0.540" diameter tube with a 0.098 inch diameter

The assembly is supplied with a type "N" extension cable assembly, 12 meters (472.5") long with a mating Harting connector and terminating to a pigtail.3.2

- 3.2. Thermocouple Assembly described in Para. 3.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 200°C
- Service Temperature at Sensor Tip: +680°C
- Pressure Ratings: @ seal braze = 1.2 bar max
- IP ratings: 54
- Ratings O/P: 0 to 50 mV max



IECEx CSA Certificate No.: IECEx CSA 19.0002X Issue 3 Annex II



Page 3 of 3 Conax P/N 10-3653-011(60Hz Turbine) and 10-3655-031 (50Hz Turbine) w/Harting Connectors: "Compressor Discharge" used on Siemens 9000 Series Turbine

4.1. Consists of three thermocouples in a long slender Inconel tube, having a stepped increase in diameter. A threaded fitting is provided at connector exits the end of this fitting. the end of the tube, which allows the assembly to be mounted into a process gas stream. A cable assembly with attached multi-pin

within a flexible stainless steel tube, terminates to a mulita-pin Harting connector. An installation tool is supplied for ease installing a metallic seal fitting that is connected to a 1.9" (50mm) hex standoff to permit passage of a mims/cable assembly. The cable assembly, assembly. This tubular assembly contains a spring tensioned telescopic arrangement that permits minor linear motion of the replacement thermocouple. thermocouple tube. The process end is threaded on the outer diameter to accommodate mounting. The other end is provided with a SST the exposed junction tips. This tube if fitted to the end of a 0.591" (15mm) diameter "thermowell" tube, which is welded to a machined Two Type "N" isolated, ungrounded thermocouple junctions are exposed at the end of a 0.354" diameter tube. A metallic cage surrounds

terminating to a pigtail. The assembly is supplied with a type "N" extension cable assembly, 12 meters (472.5") long with a mating Harting connector and

- 4.2. Thermocouple Assembly described in Para. 4.1 is IECEx certified to
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 200°C
- Service Temperature at Sensor Tip: +560°C
- Pressure Ratings: @ seal braze = 30 bar max
- IP ratings: 54
- Ratings O/P: 0 to 50 mV max





Annex I

Thermocouple Assemblies

- 1.0 Conax P/N 10-3379-1(50 HZ Turbine) and P/N 10-3380-001 (60 HZ Turbine) w/Terminal Head; "HMS2 Disc Cavity Thermocouple"
- attached at one end, the thermocouple junctions sealed within the tube are at the other end. 1.1 Consists of two thermocouples in a long slender Inconel tube. A wiring compartment enclosure, with high temperature terminal block is

Each of the two (2) thermocouple are a Type "K" with grounded hot junctions. The sheath is of Inconel 600 with an outer diameter of 0.125" (3.2 mm). This assembly is fitted within a 0.236(6.00 mm) SST overtube with a raised face mounting flange and terminating to a SST terminal head

- 1.2 Thermocouple Assembly described in Para. 1.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 260°C
- Service Temperature at Sensor Tip: +1093°C
- Pressure Ratings: @ seal braze = 12 bar max
- IP ratings: 66
- Ratings O/P: 0 to 50 mV max

2 Conax P/N 10-3371-001/-002/-003 w/ Harting Connectors: "Flashback Thermocouple'

2.1 Consists of two thermocouples in a long slender Inconel tube of gradually increasing outer diameter. A cable assembly with multi-pin connector is attached at one end, the thermocouple junctions within the tube are at the other end.

additional distance of approximately 59 inches past the tubes and terminates into a multi-pin connector. 4.6 inch long section of 0.187" (1.75 mm) diameter outer support tube is fitted to this tube, beginning at a distance of approximately 23.7 inched junction end houses both thermocouples within a 0.078" (1.98 mm) tube. This tube is fitted to a 0.125" (3.18 mm) diameter tube. An approximately from the junction end. These increasingly larger tubes are approximately 28.35 inches long overall. A flexible stainless steel cable extends an Each of the two (2) thermocouples are Type K, with isolated, ungrounded junctions, sealed within a tube. The first approximately 4 inches at the

The wiring is supplied with a Type "K" extension cable assembly, 12 meters (472.5") long with a mating multi-pin Harting connector and terminating





- 2.2 Thermocouple Assembly described in Para. 2.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 200°C
- Service Temperature at Sensor Tip: +1093°C
- Pressure Ratings: @ seal braze = 30 bar max
- IP ratings: 54
- Ratings O/P: 0 to 50 mV max

3 Conax P/N 10-3381-001/-002/-003 w/ Harting Connectors: "BladePath Thermocouple"

end of this fitting. end of the tube, which allows the assembly to be mounted into a process gas stream. A cable assembly with attached multi-pin connector exits the 3.1 Consists of three thermocouples in a long slender Inconel tube, having a stepped increase in diameter. A threaded fitting is provided at the

exposed junction tips. This tube is fitted to the end of a 0.984" (25 mm) diameter "thermowell" tube, which is welded to a machined assembly. This terminates to a multi-pin Harting connector. cap, with a slot machined in the side of the pipe to permit passage of a cable assembly. The cable assembly, within a flexible stainless steel tube is threaded on the outer diameter to accommodate mounting. The other end is provided with 1 inch male NPT threads that connect to a pipe and tubular assembly contains a spring-tensioned telescopic arrangement that permits minor linear motion of the thermocouple tube. The process end Three Type "N" isolated, ungrounded thermocouple junctions are exposed at the end of a 0.375" diameter tube. A metallic cage surrounds the

The assembly is supplied with a type "N" extension cable assembly, 12 meters (472.5") long with a mating Harting connector and terminating to a

- 3.2 Thermocouple Assembly described in Para. 3.1 is IECEx certified to:
- Ex ec IIC Gc T6 to T2 with;
- Ambient Temperature: -20°C ≤ Ta ≤ + 200°C
- Service Temperature at Sensor Tip: +1093°C
- Pressure Ratings: @ seal braze = 1.2 bar max
- IP ratings: 54
- Ratings O/P: 0 to 50 mV max

Cs



No. 2024-001716-01-2

안 전 인 증 서

Certificate of Safety

Conax Technologies LLC

2300 Walden Ave., Buffalo, New York 14225, United States of America

The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 84 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 1 of Article 110 of ENFORCEMENT ORDINANCE OF the same ACT.

Electrical Equipment

Thermocouple Assemblies .

Model(Marking) / Certificate No.

10-3637-***, 10-407*-001(Ex ec IIC T6...T2 Gc) / 23-KA4BO-0790X

Applied standards

Announcement No. 2021-22 of Ministry of Employment and Labor

Conditions of Certification

1. Manufacturing location(s)

•This certificate is valid only for the specified products produced at '2300 Walden Ave., Buffalo, New York 14225, United States of America'.

2. Description of equipment

- Thermocouple assemblies for in Siemens turbines consists of two thermocouples with with hart connectors.
- ·Electrical rating: Max. 50 mV
- ·Ambient temperature: -20 °C ≤ T_a ≤ +80 °C(T6), +95 °C(T5), +130 °C(T4), +195 °C(T3), +200 °C(T2)
- 3. Scope of certification: This certificate is valid only for the models as below.
- .10-3637-011/051/061, 10-4071-001, 10-4072-001, 10-4073-001

4. Special conditions for safe use

- ·The equipment shall be protected from risk of mechanical impact either by installation or other suitable means such as enclosures, or mechanical guards.
- ·Separate only in a non-hazardous area.
- ·Do not connect or disconnect when energized.
- ·See Specific Conditions of Use in the related IECEx certificate (IECEx CSA 19.0002X issue No.3) for the details.

5. Details of certificate changes: None

6. Details of the others

- Manufacturer shall take the responsibility including maintaining quality requirements for the certified products, receiving factory surveillance and informing any changes to the certified products.
- This certificate shall be used with the related IECEx certificate (IECEx CSA 19.0002X issue No.3).

Date of Issue: 2023-12-20



Cs



No. 2024-001716-01-1

안 전 인 증 서

Certificate of Safety

Conax Technologies LLC

2300 Walden Ave., Buffalo, New York 14225, United States of America

The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 84 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 1 of Article 110 of ENFORCEMENT ORDINANCE OF the same ACT.

Electrical Equipment

Thermocouple Assemblies

Model(Marking) / Certificate No.

10-3995-***, 10-4066-***, 10-4069-001, 10-4070-001 (Ex ec IIC T6...T2 Gc) / 23-KA4BO-0789X

Applied standards

Announcement No. 2021-22 of Ministry of Employment and Labor

Conditions of Certification

1. Manufacturing location(s)

•This certificate is valid only for the specified products produced at '2300 Walden Ave., Buffalo, New York 14225, United States of America'.

2. Description of equipment

- •Thermocouple assemblies for in Siemens turbines consists of two thermocouples with wiring compartment enclosure.
- ·Electrical rating: Max. 50 mV
- ·Ambient temperature: -20 °C ≤ T_a ≤ +80 °C(T6), +95 °C(T5), +130 °C(T4), +195 °C(T3), +260 °C(T2)
- 3. Scope of certification: This certificate is valid only for the models as below.
 - ··10-3995-022/023/024, 0-4066-001~006, 10-4069-001, 10-4070-001

4. Special conditions for safe use

- ·The equipment shall be protected from risk of mechanical impact either by installation or other suitable means such as enclosures, or mechanical guards.
- ·Separate only in a non-hazardous area.
- ·Do not connect or disconnect when energized.
- ·See Specific Conditions of Use in the related IECEx certificate (IECEx CSA 19.0002X issue No.3) for the details.
- 5. Details of certificate changes: None

6. Details of the others

- ·Manufacturer shall take the responsibility including maintaining quality requirements for the certified products, receiving factory surveillance and informing any changes to the certified products.
- This certificate shall be used with the related IECEx certificate (IECEx CSA 19.0002X issue No.3).

Date of Issue: 2023-12-20



안전인증을 받은 자의 유의사항 [Notification for recipient (certification holder)]

- 1. 본 인증서는 기재된 사업장에서 생산된 제품으로서 적용된 안전인증기준에 적합한 경우에 한하여 유효합니다. (This certificate is valid only when the product is suitable for the applied safety certification criteria and is manufactured from the manufacturing location that is stipulated on this certificate)
- 2. 안전인증을 받은 자가 다음 각 호의 어느 하나에 해당하면 인증정지 및 취소의 사유가 됩니다. (If a person who has received safety certification falls under any of the following subclause, this safety certification may be suspended or cancelled)
 - 1) 거짓이나 그 밖의 부정한 방법으로 안전인증을 받은 경우 (In case of being certified in false or other improper ways)
 - 2) 안전인증을 받은 안전인증대상 기계기구등의 안전에 관한 성능 등이 안전인증기준에 맞지 아니하게 된 경우 (In the case that the properties of the product for which safety certification has been received are not suitable for the safety certification criteria)
 - 3) 정당한 사유 없이 확인심사를 거부, 기피 또는 방해하는 경우 (In case of refusing, avoiding or disturbing regular surveillance audit without a justifiable reason)
- 3. 다음과 같은 사유가 발생할 경우에는 안전인증기관에 안전인증 변경 신청을 하여 안전인증서를 재교부 받아야 합니다. (In the case of the following subclauses, the revision of the safety certification shall be applied to the safety certification body and the safety certificate shall be reissued)
 - 1) 인증서의 분실 또는 훼손 (Losses or damages to this certificate)
 - 2) 제조자, 주소, 인증조건 등 인증서 기재사항의 변경 (Changes of stated items in the certificate such as manufacturer's name, manufacturer's address, certification conditions, etc)
- 4. 안전인증을 받은 자는 다음 사항을 이행해야 합니다. (The recipient of safety certificate (certification holder) shall comply with the following subclauses)
 - 1) 안전인증표시 등 인증요건의 유지관리 (Maintenance control of the certification requirements such as a safety certification mark)
 - 2) 안전인증을 받기 이전 또는 정지, 취소된 이후 생산된 제품에 안전인증표시를 하면 법에 의 거 처벌을 받게 됩니다. (It will be punished by the ACT if the safety certification mark is used before issue of the safety certification or after suspension or cancellation of the safety certification)
- 5. 안전인증을 받은 자는 산업안전보건법 제84조제4항 및 동법 시행규칙 제111조에 따라 정기적 인 확인심사를 받아야 합니다. (The recipient of the safety certification (certification holder) shall receive a regular surveillance audit under Paragraph 4 of Article 84 of OCCUPATIONAL SAFETY AND HEALTH ACT and Article 111 of ENFORCEMENT ORDINANCE in the same ACT)

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