



제2024-038659-01-1 호(1/2)

# 안전인증서

VIET NAM KANEKO CO., LTD.

Nhon Trach 3 Industrial Park, Phase 2, Hiep Phuoc Town, Nhon Trach District, Dong Nai Province, Viet Nam

위 사업장에서 제조하는 아래의 품목이 산업안전보건법 제84조 및 같은 법 시행규칙 제110조제1항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

품 목

Solenoid Valve

형식·모델(용량·등급) / 인증번호

AP3 \*\*\*-G4\*\*\*1\* (Ex db IIB+H<sub>2</sub> T6 Gb) / 24-KA4BO-0585X

인 증 기 준

고용노동부고시 제2021-22호

인 증 조 건

## 1. 제조공장

·본 인증서는 'Nhon Trach 3 Industrial Park, Phase 2, Hiep Phuoc Town, Nhon Trach District, Dong Nai Province, Viet Nam'에서 생산하는 제품에 한함.

## 2. 제품개요

·제품개요: 당 기기는 내압방폭구조의 LTE 통신 기능이 있는 솔레노이드 밸브임.

·제품정격

24 Vdc, 0.142 A, 3.38 W 또는 (90 - 100) Vdc, 0.025 A, 2.5 W(솔레노이드)

24 Vdc, 0.718 A(통신회로)

·사용주위온도:  $-20\text{ }^{\circ}\text{C} \leq T_a \leq +46\text{ }^{\circ}\text{C}$

## 3. 인증범위: 본 인증서는 [별첨]의 형식번호에 한하여 유효함

## 4. 안전한 사용을 위한 조건

·비금속부의 정전기 방전에 주의할 것.

·화염접합면은 수리하지 말 것.

·특수 조임나사의 항복 강도는 최소 450 MPa 이어야 함.

·관련 IECEx 인증서(IECEx DEK 23.0033X issue No.0) 3 페이지 SPECIFIC CONDITIONS OF USE 참조

## 5. 인증(변경)사항: 없음.

## 6. 그 밖의 사항

·안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수

·본 안전인증서는 반드시 관련 IECEx 인증서(IECEx DEK 23.0033X issue No.0)와 함께 사용

2024 년 07 월 24 일

한국산업기술시험원장





제2024-038659-01-1 호(2/2)

## 인 증 조 건

### [별첨] 제품형식 인증범위

AP3 (a)-(b)-G4(c)(d)-(e)1(f)

(a)	Valve Function C = Close during power outage D = Open during power outage G = Single acting or Double acting
(b)	Pipe Size 8 = Rc 1/4 8N = NPT 1/4 10 = Rc 3/8 10N = NPT 3/8
(c)	Material of Casing Cover and Body B = SCS13A (A351 Gr.CF-8) C = SCS14A (A351 Gr.CF-8M) D = SCS16A (A351 Gr.CF-3M) E = AC4C T6 (A356)
(d)	Micro Switch N = Not mounted L = Mounted
(e)	Entry Types for Electrical Connection M = M20 × 1.5
(f)	Painting N = Standard S = Special





제2024-038658-01-1호(1/2)

# 안전인증서

VIET NAM KANEKO CO., LTD.

Nhon Trach 3 Industrial Park, Phase 2, Hiep Phuoc Town, Nhon Trach District, Dong Nai Province, Viet Nam

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품 목

Solenoid Valve

형식·모델(용량·등급) / 인증번호

AP3 \*\*\*-G4\*\*\*-9\* (Ex db IIB+H<sub>2</sub> T6 Gb) / 24-KA4BO-0584X

인증기준

고용노동부고시 제2021-22호

인증조건

## 1. 제조공장

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## 2. 제품개요

- 제품개요: 당 기기는 내압방폭구조의 솔레노이드 밸브임.
- 제품정격: 24 Vdc, 0.142 A, 3.38 W 또는 (90 - 100) Vdc, 0.025 A, 2.5 W
- 사용주위온도:  $-20\text{ }^{\circ}\text{C} \leq T_a \leq +60\text{ }^{\circ}\text{C}$

## 3. 인증범위: 본 인증서는 [별첨]의 형식번호에 한하여 유효함

## 4. 안전한 사용을 위한 조건

- 비금속부의 정전기 방전에 주의할 것.
- 화염접합면은 수리하지 말 것.
- 특수 조임나사의 항복 강도는 최소 450 MPa 이어야 함.
- 관련 IECEx 인증서(IECEx DEK 23.0033X issue No.0) 3 페이지 SPECIFIC CONDITIONS OF USE 참조

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- 안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수
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2024 년 07 월 24 일

한국산업기술시험원장





제2024-038658-01-1호(2/2)

## 인 증 조 건

### [별첨] 제품형식 인증범위

AP3 (a)-(b)-G4(c)(d)-(e)9(f)

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# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEx DEK 23.0033X</b>	Page 1 of 3	<a href="#">Certificate history:</a>
Status:	<b>Current</b>	Issue No: 0	
Date of Issue:	2024-05-02		
Applicant:	<b>Kaneko Sangyo Co., Ltd.</b> 5-10-6 Shiba, Minato-ku, Tokyo 108-0014 <b>Japan</b>		
Equipment:	<b>Solenoid Valve, Type AP3 *_*.***_*****</b>		
Optional accessory:			
Type of Protection:	<b>Flameproof enclosures "db"</b>		
Marking:	<b>Ex db IIB + H<sub>2</sub> T6 Gb</b>		

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Certification B.V.**  
**Meander 1051**  
**6825 MJ Arnhem**  
**Netherlands**





# IECEx Certificate of Conformity

Certificate No.: **IECEx DEK 23.0033X**

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Date of issue: 2024-05-02

Issue No: 0

Manufacturer: **Kaneko Sangyo Co., Ltd.**  
5-10-6 Shiba, Minato-ku, Tokyo 108-0014  
**Japan**

Manufacturing  
locations: **KANEKO SANGYO CO., LTD.**  
**Hiratsuka Factory**  
5-3-9 Higashiyawata  
Hiratsuka-city  
Kanagawa 254-0016  
**Japan**

**VIET NAM KANEKO CO., LTD.**  
Nhon Trach 3 Industrial Park,  
Phase 2  
Hiep Phuoc Town  
Nhon Trach District  
Dong Nai Province  
**Viet Nam**

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** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 7.0

**IEC 60079-1:2014** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition: 7.0

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 Report:

**NL/DEK/ExTR23.0030/00**

Quality Assessment Reports:

**NL/DEK/QAR12.0058/07**

**NL/DEK/QAR22.0011/01**



# IECEx Certificate of Conformity

Certificate No.: **IECEx DEK 23.0033X**

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Date of issue: 2024-05-02

Issue No: 0

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Solenoid valve, Type AP3 \*-\*\*\*-\*\*\*\*\* is a 2 position and 3 or 5 port pneumatic solenoid valve and designed for operation of pneumatic actuators.

The Solenoid valve consists of a casing cover (aluminium or stainless steel), body (aluminium or stainless steel), dome glass (borosilicate or soda glass), glass shield (stainless steel), micro filters (stainless steel) and electronics with a non-replaceable secondary battery with a holder.

For more information about the nomenclature see Annex 1.

Ambient temperature range:

-20 °C to +46 °C for Type AP3\*-\*\*\*-1\*\*\*

-20 °C to +60 °C for Type AP3\*-\*\*\*-g\*\*\*

## Electrical data

Solenoid supply:

24 Vdc, max. 0.142 A, max. 3.38 W or

90 to 100 Vdc, max. 0.025 A, max. 2.5 W

Communication circuit supply:

24 Vdc, max. 0.718 A

## SPECIFIC CONDITIONS OF USE: YES as shown below:

- Precautions shall be taken to minimize the risk from electrostatic discharge of non-metallic parts.
- The flameproof joints are not intended to be repaired.
- The minimum yield stress of the special fasteners is 450 MPa.

## Annex:

[420355500-Annex 1 to ExTR23.0030.00.pdf](#)