



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

Certificate No.:	IECEx NEP 24.0005X	Page 1 of 4	<u>Certificate history:</u> Issue 0 (2024-05-15)
Status:	Current	Issue No: 1	
Date of Issue:	2025-10-31		
Applicant:	KANEKO SANGYO CO., LTD. 5-10-6 Shiba Minato-ku Tokyo 108-0014 Japan		
Equipment:	Solenoid valve operator Model REX**		
Optional accessory:			
Type of Protection:	Ex ec, mc		
Marking:	Ex ec mc IIC T6/T5 Gc Ta: -40°C~+40°C/60°C		

Approved for issue on behalf of the IECEx
Certification Body:

Guo Aihua

Position:

General 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 or use of this QR Code.



Certificate issued by:

**Shanghai Inspection and Testing Institute of Instruments
and Automatic Systems Co., Ltd. (SITI/IAS)/
National Supervision and Inspection Center for Explosion
Protection and Safety of Instrumentation (NEPSI)
103 Cao Bao Road
Shanghai 200233
China**



SITI/IAS
Worldwide Access



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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 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

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:

CN/NEP/ExTR24.0005/00

CN/NEP/ExTR24.0005/01

Quality Assessment Reports:

NL/DEK/QAR12.0058/08

NL/DEK/QAR22.0011/01



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Solenoid Valve Operator model REX** is intended to be combined with valve bodies such as MK17G to form a solenoid valve. Solenoid Valve Operators are widely used in industries such as chemical, oil, gas, food, medicine, semiconductor etc. It can be connected to the control system to achieve automated control. By powering on or off the Solenoid Valve Operator, the solenoid valve can change its flow path.

The Solenoid Valve Operator consists of two chamber: the coil and electronics are encapsulated in epoxy resin, and the terminal is intended for connection to external circuits. Integral cable gland is provided in normal type. Alternately an entry threaded hole is intended to be installed with certified cable gland. The degree of protection of Solenoid Valve Operator is IP66/67 (IEC60529).

Refer to annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1.The ambient temperature is T6: -40°C~+40°C; T5: -40°C~+60°C.

2.The clamping test was passed with 25% of required value, the user shall provide additional clamping of the cable to ensure that pulling is not transmitted to the terminations.

3. WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS!



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Type definition changes.
2. Add new resin FR50 BK505 (Hereinafter referred to as FR50).

Annex:

[IECEx NEP 24.0005X Annex issue 1.pdf](#)

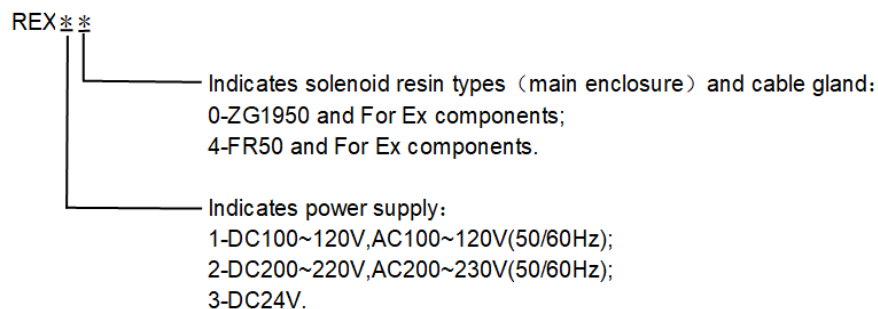
Shanghai Inspection and Testing Institute of Instruments and Automatic Systems Co., Ltd. (SITI/IAS) National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI) 103 Cao Bao Road, Shanghai 200233, China	 
Annex to IECEx Certificate of Conformity of IECEx NEP 24.0005X Issue No.1	

Specification table:

Voltage(V)	AC (50/60Hz)					
	230	220	200	120	110	100
Turns	37947			19948		
Resistance(Ω)	14337			4110		
Current(mA)	16	15	14	28	26	24
Max. Power(W)	3.2	2.9	2.4	3.0	2.6	2.1

Voltage(V)	DC					
	220	200	120	110	100	24
Turns	37947			19948		6200
Resistance(Ω)	14337			4110		316
Current(mA)	17	15	31	29	26	75
Max. Power(W)	3.6	3.0	3.7	3.1	2.6	2.0

Type definition:



Electrical parameters:

REX 1*: DC100~120V, AC100~120V(50/60Hz);

REX 2*: DC200~220V, AC200~230V(50/60Hz);

REX 3*: DC24V

14mA~75mA, 2W~3.7W; refer to the specification table.