



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 UL 18.0014X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2019-01-22)

Status: **Current** Issue No: 1

Date of Issue: 2021-02-01

Applicant: **Rockwell Automation**
1201 South 2nd Street
Milwaukee, WI 53204
United States of America

Equipment: **5069 I/O system**

Optional accessory:

Type of Protection: **5069-IB8S, 5069-IB8SK – Digital Input modules and 5069-OBV8S, 5069-OBV8SK – Digital Output modules**

Marking: Ex nA IIC T4 Gc
0°C ≤ Ta ≤ +60°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:

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:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Rockwell Automation**
1201 South 2nd Street
Milwaukee, WI 53204
United States of America

Additional manufacturing locations: **Rockwell Automation Asia Pacific Business Center Pte Ltd.**
No 2 Corporation Road
#06-05/10 Corporation Place
618494
Singapore

Rockwell Automation
8440 Darrow Road
Twinsburg
Ohio, 44087
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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

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:

[US/UL/ExTR18.0020/00](#)

Quality Assessment Reports:

[GB/ITS/QAR14.0010/05](#)

[GB/ITS/QAR14.0014/03](#)

[US/ETL/QAR12.0005/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

These devices are open-type programmable controllers for use in Zone 2 Group IIC Hazardous Locations, these 5069 I/O system are modular input/output devices of an open type DIN rail mounted 5069 I/O module system and are intended to be used in combination with the 5069 series system which includes host modules such as the 5069-AENTR Ethernet/IP communication module, 5069-FPD Field Power Distribution module, and/or 5069-ARM Address Reserve Module.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment shall be mounted in an IECEx Zone 2 certified enclosure with a minimum ingress protection rating of at least IP54 in accordance with IEC 60079-15 and used in an environment of not more than Pollution Degree 2 (as defined in IEC 60664-1) when applied in Zone 2 environments. The enclosure must be accessible only by the use of a tool.
- Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140%.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Adds new manufacturing location in Twinsburg, OH (GB/ITS/QAR14.0010/05). No ExTR update for this revision.

Annex:

[Annex_to_IECEx_UL_18.0014X_Issue_1.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Model	Protection Method	Description	Ambient Temperature	Temperature Classification	Ratings
5069-IB8S	nA	Digital Input modules	0 °C to +60 °C	T4	MP input: 75mA @ 18Vdc - 32Vdc SA input: 1.3A @ 18Vdc-32Vdc
5069-OBV8S	nA	Digital Output modules	0 °C to +60 °C	T4	MP input: 75mA @ 18Vdc - 32Vdc LA input: 8.1A @ 18Vdc-32Vdc OUT: 1A @ 18-32 VDC/CH
5069-IB8SK	nA	Digital Input modules	0 °C to +60 °C	T4	MP input: 75mA @ 18Vdc - 32Vdc SA input: 1.3A @ 18Vdc-32Vdc
5069-OBV8SK	nA	Digital Output modules	0 °C to +60 °C	T4	MP input: 75mA @ 18Vdc - 32Vdc LA input: 8.1A @ 18Vdc-32Vdc OUT: 1A @ 18-32 VDC/CH

MARKING

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

5069-IB8S:

Allen-Bradley		== MP: 75mA @ 18-32VDC == SA: 1.3A @18-32VDC == IN: 2.5mA @ 10-32VDC/CH == OUT: 0.3A @ 18-32VDC/CH	
Rockwell Automation		0 °C < Ta < +60 °C	
1201 S 2nd St, Milwaukee, WI 53204, USA		SEE MANUAL FOR INSTAL. INFO	
Compact5000 DC Safety Input Module		FW 1.XXXX SN 12345678	
CAT	SER MAT NO		
5069-IB8S	A PN-193411		
		TEMP CODE	
Ex nA IIC T4 Gc	IND. CONT. EQ.	T4	
DEMKO 18 ATEX 2019X	FOR HAZ. LOC.		
IECEx UL 18.0014X	CL I DIV 2		
ASA 12345678901	GP A, B, C, D		
Logix 5000™ Series		PLANT 5170	DATE YYYY/MM/DD
PRODUCT OF SINGAPORE			



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5069-IB8SK:

Allen-Bradley		MP: 75mA @ 18-32VDC
Rockwell Automation		SA: 1.3A @ 18-32VDC
1201 S 2nd St, Milwaukee, WI 53204, USA		IN: 2.5mA @ 10-32VDC/CH
Compact5000 DC Safety Input Module		OUT: 0.3A @ 18-32VDC/CH
CAT 5069-IB8SK		0 °C < Ta < + 60 °C
SER A	MAT NO PN-505857	SEE MANUAL FOR INSTAL. INFO
		FW 1.XXXX SN 12345678
Ex nA IIC T4 Gc	3WD5 IND. CONT. EQ.	
DEMKO 18 ATEX 2019X	FOR HAZ. LOC.	
IECEx UL 18.0014X	CL I DIV 2	
ASA 12345678901	GP A, B, C, D	PLANT 5170
Logix 5000™ Series		DATE YYYY/MM/DD
PRODUCT OF SINGAPORE		

5069-OBV8S:

Allen-Bradley		MP: 75mA @ 18-32VDC
Rockwell Automation		LA: 8.1A @ 18-32VDC
1201 S 2nd St, Milwaukee, WI 53204, USA		OUT: 1A @ 18-32VDC/CH
Compact5000 DC Safety Output Module		0 °C < Ta < + 60 °C
CAT 5069-OBV8S		SEE MANUAL FOR INSTAL. INFO
SER A	MAT NO PN-396031	FW 1.XXXX SN 12345678
Ex nA IIC T4 Gc	3WD5 IND. CONT. EQ.	
DEMKO 18 ATEX 2019X	FOR HAZ. LOC.	
IECEx UL 18.0014X	CL I DIV 2	
ASA 12345678901	GP A, B, C, D	PLANT 5170
Logix 5000™ Series		DATE YYYY/MM/DD
PRODUCT OF SINGAPORE		

5069-OBV8SK:

Allen-Bradley		MP: 75mA @ 18-32VDC
Rockwell Automation		LA: 8.1A @ 18-32VDC
1201 S 2nd St, Milwaukee, WI 53204, USA		OUT: 1A @ 18-32VDC/CH
Compact5000 DC Safety Output Module		0 °C < Ta < + 60 °C
CAT 5069-OBV8SK		SEE MANUAL FOR INSTAL. INFO
SER A	MAT NO PN-505859	FW 1.XXXX SN 12345678
Ex nA IIC T4 Gc	3WD5 IND. CONT. EQ.	
DEMKO 18 ATEX 2019X	FOR HAZ. LOC.	
IECEx UL 18.0014X	CL I DIV 2	
ASA 12345678901	GP A, B, C, D	PLANT 5170
Logix 5000™ Series		DATE YYYY/MM/DD
PRODUCT OF SINGAPORE		