



# 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.: **IECEX UL 24.0071X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-11-20

Applicant: **Hardy Process Solutions**  
10075 Mesa Rim Road  
San Diego, CA 92121  
**United States of America**

Equipment: **I/O Modules, HI5069-WS and HI5069-2WS**

Optional accessory:

Type of Protection: **Increased Safety "ec"**

Marking: **Ex ec IIC T4 Gc**  
Vertical: 0°C to +42°C  
Horizontal: 0°C to +60°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Katy A. Holdredge**

Position:

**Senior Staff Engineer**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**UL Solutions (US)**  
333 Pfungsten Road  
Northbrook IL 60062-2096  
**United States of America**





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Manufacturer: **Hardy Process Solutions**  
10075 Mesa Rim Road  
San Diego, CA 92121  
**United States of America**

Manufacturing locations: **Hardy Process Solutions**  
10075 Mesa Rim Road  
San Diego, CA 92121  
**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](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[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 Report:

[US/UL/ExTR24.0095/00](#)

Quality Assessment Report:

[US/UL/QAR17.0006/05](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The HI5069-2WS and HI5069-WS are analog input modules designed to be installed in the 5069 series of controllers from Rockwell Automation. The HI5069-2WS has two channels of input, the 5069-WS is a single channel version on the same PCB with the second channel depopulated. The devices are open-type and intended to be installed inside a tool accessible enclosure.

**Please see Annex for additional information.**

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

- The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.
- The equipment shall be installed in an enclosure that is only tool accessible and that provides a degree of protection not less than IP 54 in accordance with IEC 60079-0.
- Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.
- Ambient Temperature (Tamb): 0°C to +42°C Vertical Orientation; 0°C to +60°C Horizontal Orientation.

## **Annex:**

[Annex to IECEx UL 24.0071X Issue 0.pdf](#)

Annex to Certificate No.:

IECEX UL 24.0071X

Issue No.: 0

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## PARAMETERS RELATING TO THE SAFETY

### Temperature range:

Vertical: 0°C to +42°C

Horizontal: 0°C to +60°C

### Electrical data

MP (Backplane): 18-32 Vdc, 35mA

SA (Backplane): 10-32 Vdc, 230 mA

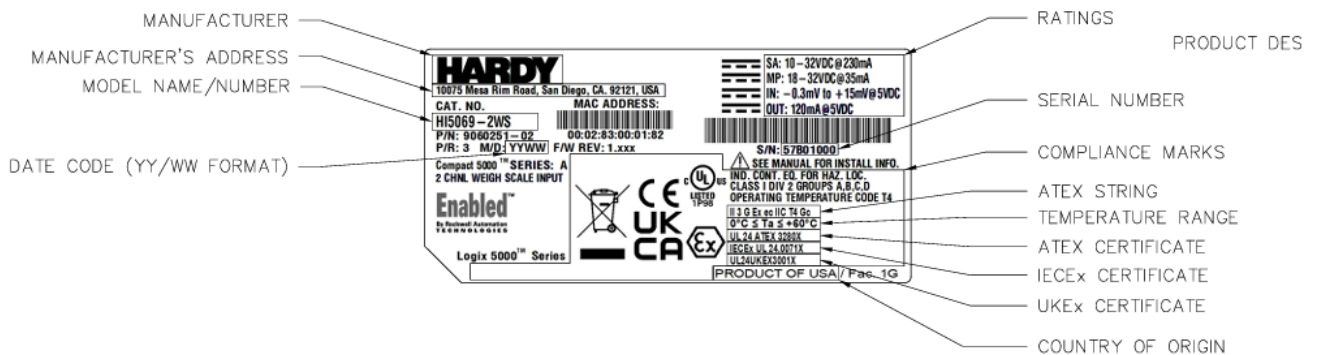
### Signal Rating

INPUT: Signal: -0.3mV to +15mV; Sense +5VDC

OUTPUT: +5VDC Excitation; 120 mA max./channel

## MARKING

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



MODEL NAME	HI5069-WS	HI5069-2WS
PRODUCT DESCRIPTION	1 CHNL WEIGH SCALE INPUT	2 CHNL WEIGH SCALE INPUT
TEMPERATURE RANGE	0°C ≤ Ta ≤ +60°C	0°C ≤ Ta ≤ +60°C
ATEX STRING	Ex ec IIC T4 Gc	Ex ec IIC T4 Gc
IECEX CERTIFICATE	IECEX UL 24.0071X	IECEX UL 24.0071X
ATEX CERTIFICATE	UL 24 ATEX 3280X	UL 24 ATEX 3280X
UKEx CERTIFICATE	UL24UKEX3001X	UL24UKEX3001X
COMPLIANCE MARKS	MUST INCLUDE CE, Ex; OTHERS SUBJECT TO CHANGE	
COUNTRY OF ORIGIN	USA OR MEXICO	
RATINGS	SA: 10-32VDC@230mA MP: 18-32VDC@35mA IN: -0.3mV to +15mV@5VDC OUT: 120mA@5VDC	SA: 10-32VDC@230mA MP: 18-32VDC@35mA IN: -0.3mV to +15mV@5VDC OUT: 120mA@5VDC
ALL FIELDS (SHOWN IN BOXES WITH NAMED TAGS) ARE SPECIFIED BY THIS DRAWING		
FIELDS NOT INCLUDED IN THE TABLE ARE AS SHOWN IN THE DRAWING		