



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 23.0019X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-06-19

Applicant: **ASCO, L.P.**
160 Park Ave.
Florham Park, NJ, 07932
United States of America

Equipment: **Electrically Operated Valves, *327C*******

Optional accessory:

Type of Protection: **Flameproof "db", Dust Ignition Protection by Enclosure "tb"**

Marking: **Ex db IIC T6...T4 Gb**
Ex tb IIIC T85°C...T135°C Db
See Annex for temperature ranges

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)

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: **ASCO, L.P.**
160 Park Ave.
Florham Park, NJ, 07932
United States of America

Manufacturing locations: **ASCO Valve (Shanghai) Co., Ltd.** **Emerson Automation Fluid Control**
No.480 Xin Miao, No.3 Road **& Pneumatics Poland Sp. z o. o.**
Xin Qiao Town, Song Jiang District **(Emerson AFCP Poland Sp. z o.o.)**
Shanghai 201612 Kurczaki 132
China Lodz 93-331
Poland

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 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR23.0020/00](#)

Quality Assessment Reports:

[GB/SIR/QAR07.0041/10](#)

[NL/DEK/QAR11.0004/07](#)

[NL/DEK/QAR14.0006/07](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Series 327C Valves are electrically operated valves for use in hazardous locations.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- For Painted Aluminum Models: The device is a potential electrostatic charging hazard. Clean with a damp cloth before servicing to avoid electrostatic discharge.
- Do not repair flameproof joints

Annex:

[Annex to IECEx UL 23.0019X Issue 0.pdf](#)



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TYPE DESIGNATION

Nomenclature:

Model	<u>8</u>	<u>327</u>	<u>C</u>	<u>1</u>	<u>0</u>	<u>2</u>	<u>FN</u>	<u>9YT</u>	<u>J7</u>
	I	II	III	IV	V	VI	VII	VIII	IX

I. Connection Thread Type

G - Rp

8 - NPT

J - Rc

II. Valve Series: 327

III. Revision Level: C

IV: Coil Wattage (Frequency):

1 - 2.6W DC, 3.6W DC, 2.7W AC or 3.2W AC

3 - 1.9W

V. Construction Type

0 - Standard, 12 Bar

J - Standard, 16 Bar

1 - Low Temp, 12 bar

L - Low Temp, 16 Bar

VI. Valve Body Type/Material

2 - 316L/Piped

5 - 316L/Namur direct mount

VIII. Electrical Enclosure - Material, Connection Type, Surge Suppression

FN - Painted Aluminum, 1/2" NPT, No surge suppression

FS - 316L, 1/2 "NPT, No surge suppression

FT - Painted Aluminum, 20 mm, No surge suppression

FU - 316L, 20 mm, No surge suppression

F8 - Painted Aluminum, 1/2" NPT, with surge suppression

F3 - 316L, 1/2 "NPT, with surge suppression

F2 - Painted Aluminum, 20 mm, with surge suppression

F4 - 316L, 20 mm, with surge suppression



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TA – Painted Aluminum, 1/2" NPT, No surge suppression + Temporary connector
TB – 316L, 1/2" NPT, No surge suppression + Temporary connector
TC – Painted Aluminum, 20 mm, No surge suppression + Temporary connector
TD – 316L, 20 mm, No surge suppression + Temporary connector
TJ – Painted Aluminum, 1/2" NPT, with surge suppression + Temporary connector
TK – 316L, 1/2" NPT, with surge suppression + Temporary connector
TL – Painted Aluminum, 20 mm, with surge suppression + Temporary connector
TM – 316L, 20 mm, with surge suppression + Temporary connector

VII. Manual Operation Option (with regional approvals)

9YT – None (UL/cUL/IECEX/ATEX)
92J – Momentary Push Type "MO" (UL/cUL/IECEX/ATEX)
92K – Sustained Type "MS" (UL/cUL/IECEX/ATEX)
92L – Removable Type "MO/MS" (UL/cUL/IECEX/ATEX)
9YU – None (IECEX + CCC)
9MC – Momentary Push Type "MO" (IECEX + CCC)
9MD – Sustained Type "MS" (IECEX + CCC)
9W2 – Removable Type "MO/MS" (IECEX + CCC)



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RATINGS:

Coil Wattage/Frequency: NOTE: See below for applicable voltages and corresponding MOPD.	Suffix 1 (Position IV of Nomenclature)	Suffix 3 (Position IV of Nomenclature)
	2.6W DC, 3.6W DC, 2.7W AC or 3.2W AC	1.9W DC
Coil Voltage	Suffix in Position IX of Nomenclature	Voltage/Frequency/W
	J7	6 DC, 1.9W or 2.6W
	H3	12 DC, 1.9W or 2.6W
	H1	24 DC, 1.9W or 2.6W
	H9	48 DC, 2.6W
	HD	120 DC, 2.6W
	J2	240 DC, 2.6W
	HN	125 DC, 3.6W
	HM	250 DC, 3.6W
	HQ	24 50/60, 2.7W or 3.2W
	HS	48 50/60, 2.7W or 3.2W
	H0	110/120 50/60, 2.7W or 3.2W
	NL	208 50/60, 2.7W or 3.2W
LU	230/240 50/60, 2.7W or 3.2W	



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TEMPERATURE RANGE :

Low Temp Models (Suffix 1 or L in Item V of Nomenclature):

Ambient Ranges	Temperature Code
$-60^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$	T6, T85°C

Standard Temp Models – Non-1.9 Watt rated (Suffix 0 or J in Item V of Nomenclature):

Ambient Ranges	Temperature Code
$-20^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	T6, T85°C
$-20^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$	T5, T100°C
$-20^{\circ}\text{C} \leq T_a \leq +90^{\circ}\text{C}$	T4, T135°C

Standard Temp Models – 1.9 Watt rated (Suffix 0 or J in Item V of Nomenclature):

Ambient Ranges	Temperature Code
$-20^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$	T6, T85°C
$-20^{\circ}\text{C} \leq T_a \leq +90^{\circ}\text{C}$	T5, T100°C



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MARKING

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

