

EU-TYPE EXAMINATION CERTIFICATE



[2] **Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU**

[3] EU-Type Examination Certificate Number: **UL 23 ATEX 2971X Rev. 0**

[4] Product: **Series 327C Valves**

[5] Manufacturer: **ASCO, L.P.**

[6] Address: **160 Park Ave., Florham Park, NJ 07932 USA**

[7] This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. **US/UL/ExTR23.0020/00.**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018



EN 60079-1:2014

EN 60079-31:2014

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12] The marking of the product shall include the following:

 II 2 G **Ex db IIC T6...T4 Gb**
 II 2 D **Ex tb IIIC T85°C...T135°C Db**

Certification Manager

Thomas Wilson



This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2023-06-19

Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[14]

Schedule EU-TYPE EXAMINATION CERTIFICATE No. UL 23 ATEX 2971X Rev. 0

[15] Description of Product
The Series 327C Valves are electrically operated valves for use in hazardous locations.

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 pad 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
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 Options (with regional approvals)
9YT – None (UL/cUL/IECEX/ATEX)
92J – Momentary Push Type (UL/cUL/IECEX/ATEX)
92K – Sustained Type (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)

Temperature range
The relation between ambient temperature and the assigned temperature class is shown under Electrical data.

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[14]

Schedule
EU-TYPE EXAMINATION CERTIFICATE No.
UL 23 ATEX 2971X Rev. 0

Electrical data

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

Ambient Temperature Ranges

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

Ambient Ranges	Temperature Code
-60°C ≤ Ta ≤ +60°C	T6, T85°C

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

Ambient Ranges	Temperature Code
-20°C ≤ Ta ≤ +70°C	T6, T85°C
-20°C ≤ Ta ≤ +80°C	T5, T100°C
-20°C ≤ Ta ≤ +90°C	T4, T135°C

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

Ambient Ranges	Temperature Code
-20°C ≤ Ta ≤ +75°C	T6, T85°C
-20°C ≤ Ta ≤ +90°C	T5, T100°C

Routine tests

Routine tests according to EN 60079-1 are not required, as the enclosures have been successfully tested at four times the reference pressure.

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17]

Specific conditions of use:

- 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

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The Series 327C has in addition passed the tests for Ingress Protection to IP 66 and IP 68 in accordance with EN60529:1991+A1:2000+A2:2013.



The ASCO trademark will be used as the company identifier on the marking label.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

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