

MASSMUTUAL ASCEND LIFE INSURANCE CO

FORM 24F-2NT

(Registration of securities by certain investment companies. Declaration of election Rule 24f-2 notice)

Filed 03/31/26 for the Period Ending 12/31/25

Address	191 ROSA PARKS STREET CINCINNATI, OH, 45202
Telephone	513-361-9462
CIK	0000723258
SIC Code	6311 - Life Insurance
Fiscal Year	12/31

24F-2NT: Filer Information

Filer Information

Filer CIK 723258

Filer CCC *****

Filer Investment Company Type Form N-4 Filer (Variable Annuity UIT Separate Account)

Is this a LIVE or TEST Filing? LIVE TEST

Is this an electronic copy of an official filing submitted in paper format?

Submission Contact Information

Name

Phone Number

E-mail Address

Notification Information

Notify via Filing Website only?

Payor Information

Payor CIK

Payor CCC

Method of Delivery: Wire Transfer Mail or other means

24F-2NT: Annual Filing Information

Form 24F-2 Annual Filing

Filers submitting a 24F-2 where the total fee due is based upon the aggregate net sales of all series and classes with the same fiscal year should only complete one copy of the form. To begin the form select "Add 24F-2 Form".

Filers calculating fees on a class-by-class or series-by-series basis must complete a separate Form 24F-2 for each class or series. The application will allow you to create a separate form for each series or class within a single submission. Simply select "Add 24F-2 Form" to begin each additional form.

Read instructions at end of Form before preparing Form. See "INSTRUCTIONS" link above.

Annual Filing Information Record: 1

1. Name and address of issuer:

Name of Issuer	MASSMUTUAL ASCEND LIFE INSURANCE CO
Street 1	191 Rosa Parks Street
Street 2	
City	Cincinnati
State	OHIO
Country	UNITED STATES
Zip code and zip code extension or foreign postal code	45202

2. The name and EDGAR identifier of each series or class of securities for which this Form is filed (if the Form is being filed for all series and classes of securities of the issuer, check the box but do not list series or classes):

Class Record	Class Name	Class ID
#1	Index Summit 6 Pro	C000258755
#2	INDEX ACHIEVER ADVISORY ANNUITY	C000258158
#3	Index Frontier 7 Annuity	C000261636
#4	Index Frontier 5 Annuity	C000261637
#5	Index Achiever Annuity	C000261634
#6	Index Frontier 7 Pro Annuity	C000261638
#7	Index Frontier 5 Pro Annuity	C000261639
#8	Index Summit 6 Pro Annuity with Death Benefit Return of Premium	C000261635
#9	Index Summit 6 Annuity	C000261640

Index Summit 6

#10	Annuity with Death Benefit Return of Premium	C000261641
#11	Index Frontier 5 Plus Annuity	C000261642

3. Investment Company Act File Number:

Securities Act File Number Record	Securities Act File Number
#1	333-276893
#2	333-276475
#3	333-276611
#4	333-278200
#5	333-278199
#6	333-276780

4(a). Last day of fiscal year for which this Form is filed: 12/31/2025

4(b). Check box if this Form is being filed late (i.e., more than 90 calendar days after the end of the issuer's fiscal year). (See Instruction A.2)

Note: If the Form is being filed late, interest must be paid on the registration fee due.

4(c). Check box if this is the last time the issuer will be filing this Form.

5. Calculation of registration fee (if calculating on a class-by-class or series-by-series basis, provide the EDGAR identifier for each such class or series):

Series or Class (Contract) ID

(i) Aggregate sale price of securities sold during the fiscal year pursuant to section 24(f): 0.00

(ii) Aggregate price of securities redeemed or repurchased during the fiscal year: 1374863813.00

(iii) Aggregate price of securities redeemed or repurchased during any prior fiscal year ending no earlier than October 11, 1995 that were not previously used to reduce 0.00

registration fees payable to the Commission:

(iv) Total available redemption credits [add Items 5(ii) and 5(iii)]:	1374863813.00
(v) Net sales -- if Item 5(i) is greater than Item 5(iv) [subtract Item 5(iv) from Item 5(i)]:	0.00
vi) Redemption credits available for use in future years -- if Item 5(i) is less than Item 5(iv) [subtract Item 5(iv) from Item 5(i)]:	(1374863813.00)
(vii) Multiplier for determining registration fee (See Instruction C.9):	0.0001381
viii) Registration fee due [multiply Item 5(v) by Item 5(vii)] (enter "0" if no fee is due):	0.00

6. Prepaid Shares

If the response to Item 5(i) was determined by deducting an amount of securities that were registered under the Securities Act of 1933 pursuant to rule 24e-2 as in effect before October 11, 1997, then report the amount of securities (number of shares or other units) deducted here:

If there is a number of shares or other units that were registered pursuant to rule 24e-2 remaining unsold at the end of the fiscal year for which this form is filed that are available for use by the issuer in future fiscal years, then state that number here:

7. Interest due -- if this Form is being filed more than 90 days after the end of the issuer's fiscal year (see Instruction D):

8. Total of the amount of the registration fee due plus any interest due [line 5(viii) plus line 7]:

Signatures

This report has been signed below by the following persons on behalf of the issuer and in the capacities and on the dates indicated. By (Signature and Title)*

Name and Title

John P. Gruber Senior Vice President & General Counsel - MassMutual Ascend Life Insurance Company

Date

03/31/2026

Signature

/s/ John P. Gruber