

FACTORY AUTOMATION

Recommended Replacement of Mitsubishi Electric Magnetic Contactors and Magnetic Starters

Please check your Magnetic Starters and Magnetic Contactors.

Have you been using your Magnetic Contactors and Magnetic Starters for **10 years** or more?
It is recommended that these parts are replaced after **about 10 years** of use.

Recommended time for replacement: 10 years after beginning use

- Under standard usage conditions, we recommend replacing the product every 10 years.
- If the number of open/close operations has exceeded that specified for the product, we recommend replacing it, even if it has been used for less than 10 years.

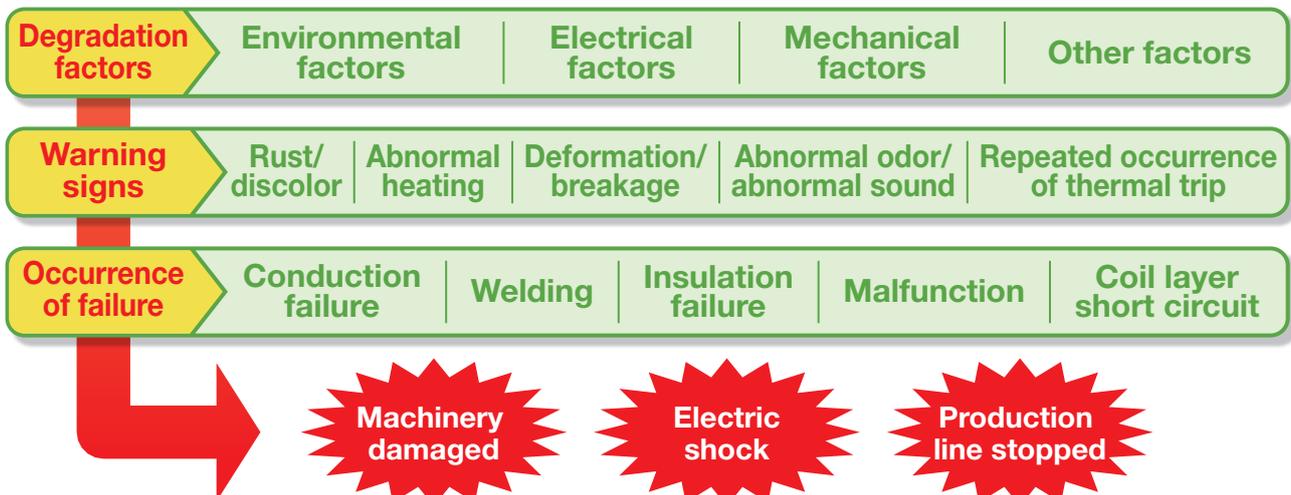
* For the number of open/close operations, please refer to the following table:

	N10 to N35/ T10 to T50	N50 to N800/ T65 to T100	
Mechanical durability [ten thousand times]	1000	500	
	N10 to N65/ T10 to T65	N80 to N300/ T80 to T100	N400 to N800
Electrical durability [ten thousand times][Category AC-3]	200	100	50



[Reference] * 電磁開閉器更新ガイドンス (Guidance for Replacement of Magnetic Starters and Magnetic Contactors)*, San5236, The Japan Electrical Manufacturers' Association (JEMA)

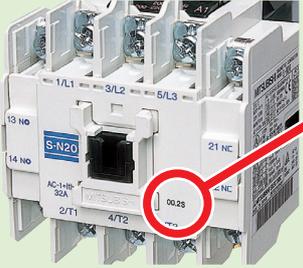
Causes of Degradation, Degradation Warning Signs, and Predicted Failure



[Reference] * 電磁開閉器更新ガイドンス (Guidance for Replacement of Magnetic Starters and Magnetic Contactors)*, San5236, The Japan Electrical Manufacturers' Association (JEMA)

◆ How to check the manufacturing date

N Series



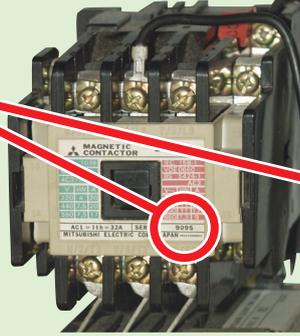
Check here

Example) **00** **2S**
2000 February

* The last two digits of the Western calendar year + the month are displayed. The months from October to December are shown by letters of the alphabet. Example) September → 9, October → X, November → Y, December → Z

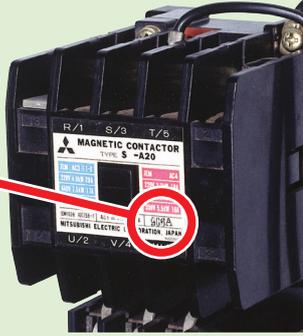
When the lifespan (10 years) has expired, it is recommended to replace the product.

K Series



Example) **90** **9S**
1990 September

A Series



Example) **90** **6A**
1990 June

Since there is a high possibility that the lifespan (10 years) may have expired, it is recommended to replace the product.

◆ Table for Replacement of Old Series with T Series (Current Products)

Symbols in columns of the replacement table stand for compatibility between each series and the current products as shown below:

- : Replaceable
- △ : Replaceable by adding an adapter dedicated to the S-T/N Series (available separately).
- ▲ : Not replaceable with standard models. Replaceable with S-N□XA type models.
- x : Not replaceable

Mitsubishi Electric T Series	S-T10	S-T12	S-T20	S-T21	S-T25	S-T35	S-T50		
Mitsubishi Electric N Series (10A to 95A discontinued)	S-N10 △	S-N11 ○	S-N12 △	S-N18 ○	S-N20 △	S-N21 ○	S-N25 △	S-N35 ○	S-N50 △
Mitsubishi Electric K Series (discontinued)	S-K10 △	S-K11 ○	S-K12 △	S-K18 ○	S-K20 △	S-K21 ○	S-K25 △	S-K35 x	S-K50 △
Mitsubishi Electric A Series (discontinued)	S-A10 △	S-A11 ○	S-A12 △	S-A20 △	S-A21 ○	S-A25 x	S-A35 x	S-A50 x	

Mitsubishi Electric T Series	S-T65	S-T80	S-T100	S-N125	S-N150	S-N180	S-N220	S-N300	S-N400	
Mitsubishi Electric N Series (10A to 95A discontinued)	S-N65 ○	S-N80 △	S-N95 ○							
Mitsubishi Electric K Series (discontinued)	S-K65 ○	S-K80 △	S-K95 ○	S-K100 ○	S-K125 ○	S-K150 ○	S-K180 ○	S-K220 ○	S-K300 ○	S-K400 ○
Mitsubishi Electric A Series (discontinued)	S-A60 △	S-A65 x	S-A80 x	S-A100 ▲	S-A120 ▲	S-A125 x	S-A150 ▲	S-A220 ▲	S-A300 ▲	S-A400 x

*1 Depending on the use, models stated as replaceable in the table above may not be correct.

*2 Models with a thermal relay are named 'MSO'.

*3 For 125A and above, T Series lineup is not available.

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