

JIS

JAPANESE INDUSTRIAL STANDARD

Particular Requirements for Low-Voltage Cartridge Fuses

 JIS C 8314—1983

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JAPANESE INDUSTRIAL STANDARD

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Particular Requirements for
Low-Voltage Cartridge Fuses

C 8314-1983

1. Scope

This Japanese Industrial Standard specifies cartridge fuses intended for protecting electric lines of not exceeding a. c. 600 V at a frequency of 50 Hz or 60 Hz, and of not exceeding d. c. 750 V.

2. Definitions

For the purpose of this standard, the principal definitions shall comply with JIS C 0201.

3. Normal Service Condition

The condition shall be as given in 3. of JIS C 8352.

4. Ratings

4.1 Rated Voltage The rated voltage shall be as given in 4.1 of JIS C 8352.

4.2 Rated Currents and Symbols The rated currents and symbols of cartridge fuses shall be as given in Table 1.

Table 1

Unit: A

Symbol	Rated current of fuse-link	Rated current of fuse-holder
CF 2	1 3 5 10 15 20 30	30
CF 2 R		
CF 4	40 50 60	60
	1 3 5 10 15 20 30	30
CK 2	40 50 60	60
CK 2 R	75 100	100
	125 150 200	200
CKH 2	250 300 400	400
CKH 2 R	500 600	600
	75 100 125 150 200	200
	250 300 400	400
CKD	500 600	600
	(700) 800 1 000	1 000
CB	75 100 125 150 200 250 300 400 500 600	—
CBE	(700) 800 1 000	
CL	1 3 5 10 15 20 30 40 50 60 75 100	—
CLE	125 150 200	

Applicable Standards, Corresponding International Standard and Reference Standards: See page 8.



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Remarks 1. The value in parentheses should not be used as possible.

2. The letters and numerals used for symbol express the following meanings:

C: Cartridge fuse

F: Fuses with cylindrical contact

K: Fuses with blade type contact

B: Fuses with clamped type contact

L: Fuses with claw type contact

H: Fuses with blade type contact added with holes

D: Fuses whose holder-clips are separately pressurised

R: Renewable type (fuses without this symbol means non-renewable type)

E: Fuses whose dimensions are complying with those of IEC recommendation

2 or 4: This means the difference in dimensions

4.3 Rated Frequency The rated frequency shall be as given in 4.3 of JIS C 8352.

4.4 Classification by Rated Breaking Capacity The classification by breaking capacity shall be as given in 4.4 of JIS C 8352. Provided that, CF 4 type, CKD type, CB type, CBE type, CL type and CLE type fuses shall be classified as given in the column of current-limiting fuse in the table.

5. Class

The classes of fuses shall be as given in 5. of JIS C 8352.

6. Performances

6.1 Temperature Rise The temperature rise shall be as given in 6.1 of JIS C 8352.

6.2 Conventional Non-Fusing Characteristic The conventional non-fusing characteristic shall be as given in 6.2 of JIS C 8352.

6.3 Conventional Fusing Characteristic The conventional fusing characteristic shall be as given in 6.3 of JIS C 8352.

6.4 Pre-Arcing Time/Current Characteristic The pre-arcing time/current characteristic shall be as given in 6.4 of JIS C 8352.

6.5 Permissible Time/Current Characteristic The permissible time/current characteristic shall be as given in 6.5 of JIS C 8352.

6.6 Breaking Performance The breaking performance shall be as given in 6.6 of JIS C 8352.