

JIS

JAPANESE INDUSTRIAL STANDARD

Particular Requirements for
Screw Fuses and D-type Fuses

Ⓒ JIS C 8319—1983

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Particular Requirements for Screw Fuses and
D-type Fuses

C 8319-1983

1. Scope

This Japanese Industrial Standard specifies particular requirements for screw fuses and D-type fuses to be used in electric circuits of a.c. voltages not exceeding 600 V of 50 Hz or 60 Hz and d.c. voltages not exceeding 600 V.

2. Definitions

For the purposes of this standard, the definitions given in JIS C 0201 apply.

3. Normal Service Condition

The normal service condition shall comply with 3. of JIS C 8352.

4. Ratings

4.1 Rated Voltage, Rated Current and Symbol The rated voltages, rated currents and symbols shall be as shown in Table 1.

Table 1

Unit: A

Class	Symbol	Rated voltage (V)	Rated current	
			Fuse-link	Fuse-holder
Screw fuse	P 1	AC DC 125	1 3 5 10 15 20 30	30
Screw fuse (renewable type)	P 1 R			
D-type fuse	P 6	AC DC 600	1 3 5 10 15 20 30	30
			40 50 60	60
			75 100	100
			125 150 200	200
			250 300 400	400

Remark: Letters and figures used in symbols indicate following meanings:

P 1: screw fuse

P 6: D-type fuse

R: renewable type

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

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4.2 Rated Frequency The rated frequency shall comply with 4.3 of JIS C 8352.

4.3 Category of Rated Breaking Capacity The category of rated breaking capacity shall comply with 4.4 of JIS C 8352. Provided that, P 6 type fuses shall comply with the breaking category for current-limiting fuse.

5. Classification

The classification shall comply with 5. of JIS C 8352.

6. Performances and Characteristics

6.1 Temperature Rise Temperature rise shall comply with 6.1 of JIS C 8352.

6.2 Conventional Non-Fusing Characteristic Conventional non-fusing characteristic shall comply with 6.2 of JIS C 8352.

6.3 Conventional Fusing Characteristic Conventional fusing characteristic shall comply with 6.3 of JIS C 8352.

6.4 Pre-Arcing Time-Current Characteristic Pre-arcing time-current characteristic shall comply with 6.4 of JIS C 8352.

6.5 Permissible Time-Current Characteristic Permissible time-current characteristic shall comply with 6.5 of JIS C 8352.

6.6 Breaking Performance Breaking performance shall comply with 6.6 of JIS C 8352.

6.7 Cut-Off Current Performance Cut-off current performance shall comply with 6.7 of JIS C 8352.

6.8 Power Dissipation Power dissipation shall comply with 6.8 of JIS C 8352.

6.9 Insulation Resistance Insulation resistance shall comply with 6.9 of JIS C 8352.

6.10 Withstand Voltage Withstand voltage shall comply with 6.10 of JIS C 8352.

7. Construction, Materials and Dimensions

7.1 Construction Besides in accordance with 7.1 of JIS C 8352, the construction shall be as follows:

- (1) The fuse-holder shall be constructed so as to be capable of connecting wires easily and surely.
- (2) In the case of using gauge-piece, the construction shall be such that the gauge-piece cannot be replaced without using special tool.