

JIS

JAPANESE INDUSTRIAL STANDARD

**Low voltage panelboards
for household use**

JIS C 8328^{—1995}

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Low voltage panelboards for household use

C 8328-1995

1. Scope This Japanese Industrial Standard specifies low voltage panelboards for household use (hereafter referred to as "household panelboards") with the rated current not exceeding 150 A intended for use in houses or the like, as the entrance service apparatus for electric circuit of 100 V a.c. single phase two-wire system or 100/200 V a.c. single-phase three-wire system at a frequency 50 Hz or 60 Hz. However, panelboards of such special construction as waterproof type and explosion-proof type are excluded.

- Remarks
1. The above-mentioned "houses or the like" includes shop, office, etc. in addition to houses.
 2. The following standards are cited in this Standard:
 - JIS C 3307 600 V Polyvinyl chloride insulated wires
 - JIS C 3317 600 V Grade heat-resistant polyvinyl chloride insulated wires
 - JIS C 8306 Testing methods for wiring devices
 - JIS C 8370 Molded case circuit breakers (MCCB)
 - JIS C 8371 Residual current operated circuit breakers
 - JIS C 8480 Box-type switchgear assemblies for low-voltage distribution purpose
 - JIS Z 8703 Standard atmospheric conditions for testing
 3. The units and numerical values in { } in this Standard are based on the traditional unit system and are appended for informative reference.

2. Definitions For the purposes of this Standard, in addition to the definitions given in JIS C 8480, the following principal definitions apply:

- (1) panelboard for household use (household panelboard) A cabinet in which whole or a part of main switch, branch switches, residual current operated circuit breaker, etc. (hereafter referred to as "internal apparatus") are assembled. There are two kinds in household panelboard, i.e. one provides and the other does not provide set up space of current limiter (hereafter referred to as "L-space").
- (2) rated current of household panelboard The current marked on a household panelboard (it means the current which can be passed continuously with the temperature rise of bus bar not exceeding the specified value).
- (3) rated voltage of household panelboard The voltage marked on a household panelboard (it means standard voltage of the electric circuit).
- (4) cabinet A container which accommodates the internal apparatus. There are two kinds, i.e. one with cover and the other with door, and each composed of the following articles.
 - (a) cabinet with cover: Box, cover, intermediate base ⁽¹⁾