



SLOVENSKI STANDARD

SIST EN 50035:1998

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Low-voltage switchgear and controlgear for industrial use - Mounting rails - G-profile for fixing of terminal blocks

Low-voltage switchgear and controlgear for industrial use - Mounting rails - G-profile for the fixing of terminal blocks

Industrielle Niederspannungs-Schaltgeräte - Tragschienen - G-Schiene zur Befestigung von Reihenklemmen

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Appareillage industriel à basse tension - Profilés supports - Profilé G pour la fixation des blocs de jonction

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Ta slovenski standard je istoveten z: EN 50035:1978

ICS:

29.130.20	Nizkonapetostne stikalne in krmilne naprave	Low voltage switchgear and controlgear
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Key words : electrical switchgear and controlgear, low voltage, industrial use, domestic application, mounting rail, mounting of equipment, screw mounting, G-profile, terminal blocks (mounting of)

English version

Low voltage switchgear and controlgear for industrial use Mounting rails

G-profile for the fixing of terminal blocks

Appareillage industriel à basse tension. Profilés supports.
Profilé G pour la fixation des blocs de jonction

Industrielle Niederspannungs-Schaltgeräte. Tragschienen.
G-Schiene zur Befestigung von Reihenklennen

STANDARD PREVIEW
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This European Standard was accepted by CENELEC on 1978-12-08. The CENELEC members are bound to adhere to the CENELEC Internal Regulations which specify under which conditions this European Standard has to be given, without any alteration, the status of a national standard.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CENELEC General Secretariat or to any CENELEC member.

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REPUBLIKA SLOVENIJA
MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO
Urad RS za standardizacijo in meroslovje
LJUBLJANA

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PREVZET PO METODI RAZGLASITVE

-01- 1998

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

General Secretariat : 2, rue Bréderode, boîte 5 1000 Bruxelles

This European Standard has been prepared by CENELEC Technical Committee 17X.

1. General

To promote the universal use of mounting rails for the mounting of equipment, certain types of rail are being standardized.

Two types of rail are specified in European Standard EN 50 022, 'Top hat rails, 35 mm wide for the *snap-on mounting* of equipment'.

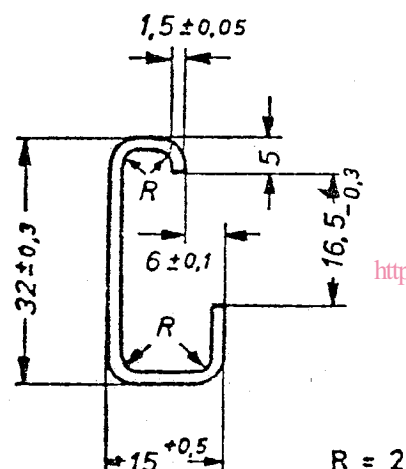
For equipment which is either too large or too heavy for either of the 35 mm rails, a 75 mm wide top hat rail is specified in European Standard EN 50 023, for *snap-on mounting* of equipment.

For the *screw fixing* of equipment, C-profile rails are specified in European Standard EN 50 024.

This European Standard specifies requirements for G-profile rails which are still widely used, and are intended for the *snap-on mounting or screw fixing* of terminal blocks.

2. Scope

This European Standard specifies requirements for one size of G-profile steel rail for the fixing of terminal blocks.



Dimensions are in millimetres.

Figure 1. G-profile

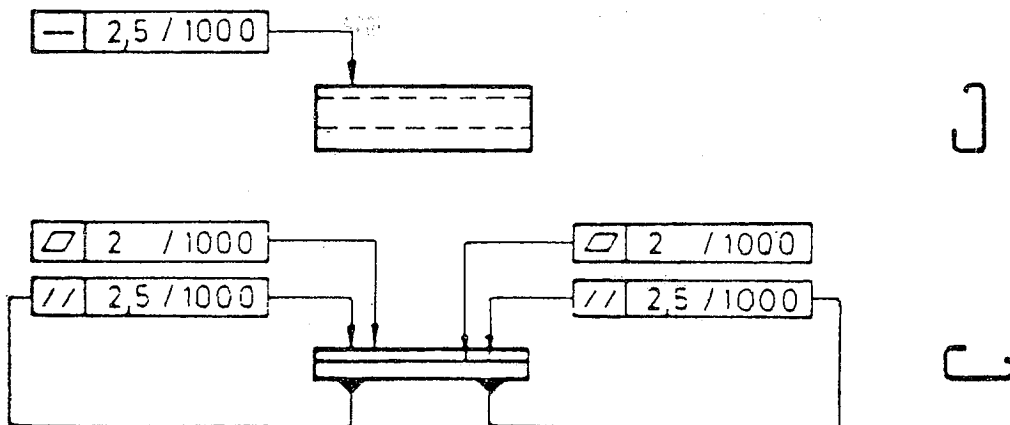


Figure 2. Tolerances on form

* . . . Reference of corresponding national standard (see national appendix B).

3. Dimensions

Dimensions of this G-profile rail are shown in figure 1.

The dimensions shall apply over the whole length of the G-profile rail. Verification of these dimensions shall not be made less than 10 mm from each end.

4. Designation

The designation of a G-profile rail, 32 mm wide, shall be as follows:

G-profile rail EN 50 035 - G 32.

5. Material

The material used shall be cold rolled carbon steel sheet, and have the following characteristics:

- skin passed after annealing,
- bright surface finish;
- tensile strength between 320 and 420 N/mm²;
- elongation at least 30 %;
- 180° bend tested horizontally and transversally with regard to the direction of rolling.

Each country may indicate its corresponding national standard.

Other qualities of steel may be used only by agreement between manufacturer and user.

6. Finish

The finish shall be of zinc-plating and chromating, with a layer thickness of at least 6 µm except for cut surfaces resulting from cutting to length.

Other finishes may be used by agreement between manufacturer and user.

7. Availability

G-profile rails shall be supplied either in manufactured lengths of at least 2 m or in ready cut lengths.

8. Tolerances on form

The tolerances on form shall be as shown in figure 2, with symbols in accordance with ISO/R 1101*.