

Bauweise für elektronische Einrichtungen
Frontplatten und Gestelle
Maße

DIN
41 494
 Blatt 1

Panel mounting racks for electronic equipments; racks and panels, dimensions

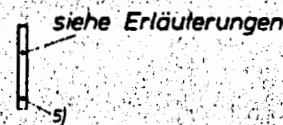
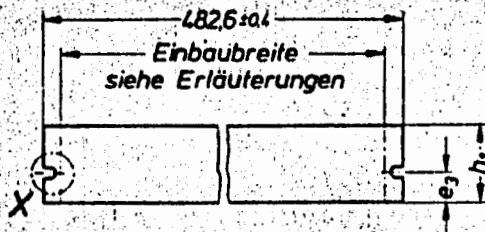
Ersatz für DIN 41 494

Maße in mm

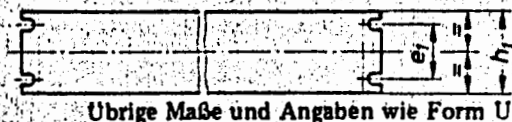
Nicht angegebene Einzelheiten sind zweckentsprechend zu wählen.

1. Frontplatten¹⁾

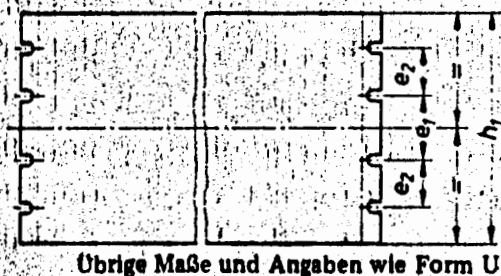
Form U



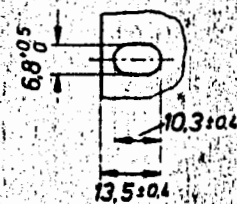
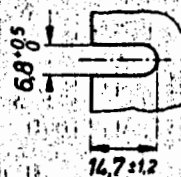
Form V



Form W



Einzelheit X
 (nach Wahl des Herstellers)



Größe 4)	Form	h_1 0 -0,8	e_1 2)	e_2 2)	e_3 2)
1 3)	U	43,6	—	—	5,9
1	V	43,6	31,75	—	—
2	U	88,1	—	—	37,7
2 3)	V	88,1	76,2	—	—
3	V	132,5	57,15	—	—
4	V	177	101,6	—	—
5	V	221,5	146,1	—	—
6	W	265,9	76,2	57,15	—
6 3)	V	265,9	190,5	—	—
7	W	310,3	57,15	88,9	—
8	W	354,8	76,2	101,6	—
9	W	399,2	120,6	101,6	—
10	W	443,7	165,1	101,6	—
11	W	488,1	146,1	133,3	—
12	W	532,6	190,6	133,3	—

- 1) Für Baugruppenträger und Einschübe nach diesen Frontplattenabmessungen ist ein weiteres Blatt dieser Norm in Vorbereitung
- 2) Zulässige Abweichungen beliebiger Teilungen zueinander: $\pm 0,4$.
- 3) Wahlweise Ausführungen.
- 4) Die Größe ergibt sich aus dem Teilungsmaß 44,45 mm.
- 5) Für die Einbautiefe ist DIN 41 488 Blatt 1 zu beachten.

Fortsetzung Seite 2 und 3
 Erläuterungen Seite 3 und 4

Deutsche Elektrotechnische Kommission · Fachnormenausschuß Elektro-
 technik im DNA gemeinsam mit Vorschriftenausschuß des VDE

Frühere Ausgaben:
 DIN 41 494: 4.63

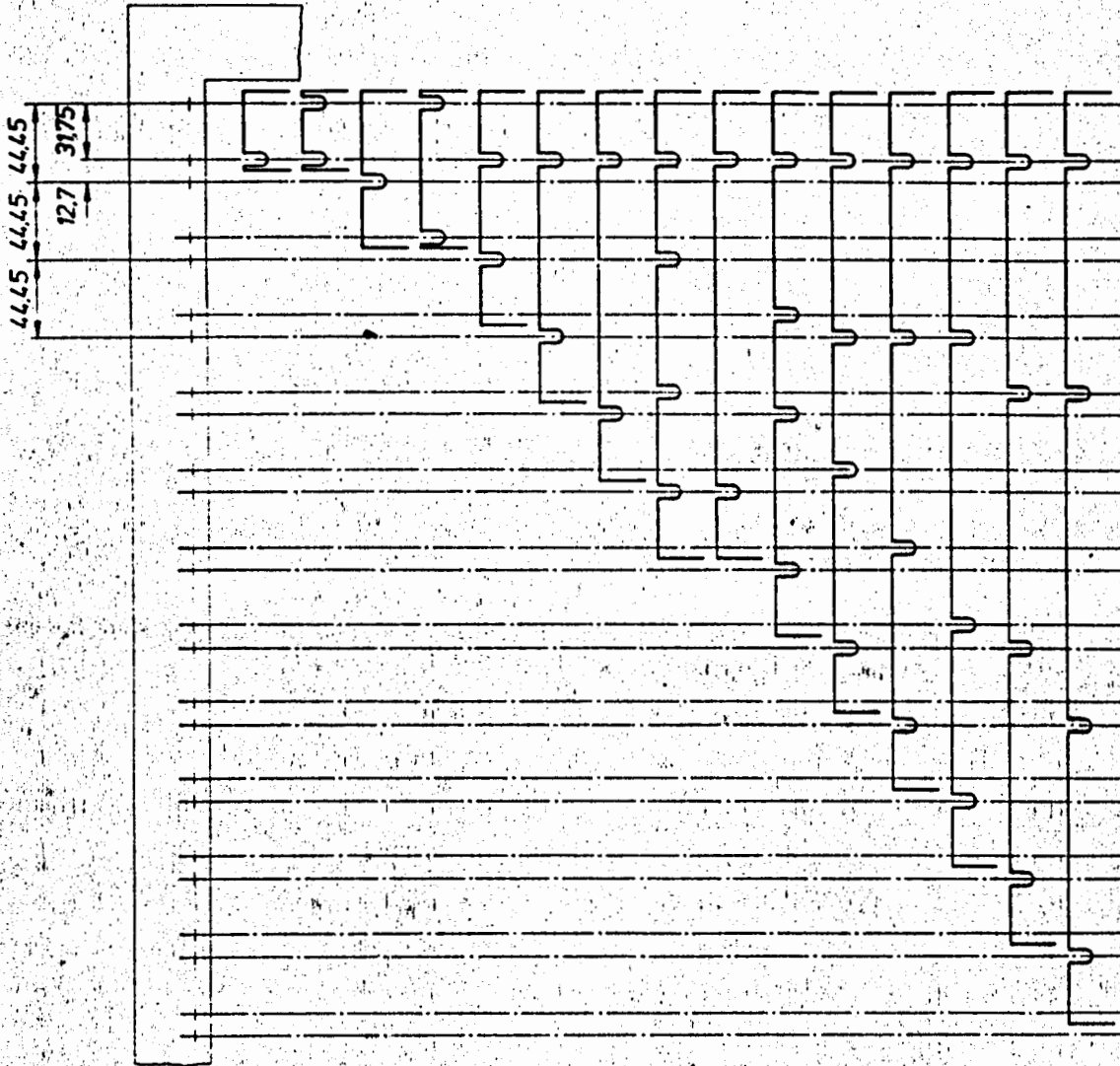
Nachdruck, auch auszugsweise, ist ohne Genehmigung des Deutschen Normenausschusses, Berlin, gestattet.

DEVER & ASSOCIATES
 WILMINGTON
 REC. AUG 1984

Änderung September 1974:
 (N 41 494 in DIN 41 494 Blatt 1 geändert.
 Inhalt vollständig überarbeitet, siehe Erläuterungen.)

Frontplattenbefestigung ¹⁾

Größe														
1	1	2	2	3	4	5	6	6	7	8	9	10	11	12
Form														
U	V	U	V	V	V	V	W	V	W	W	W	W	W	W



¹⁾ Siehe Seite 1.

~~DIMENSIONS DES PANNEAUX
ET RACKS
POUR APPAREILS ÉLECTRONIQUES
NUCLÉAIRES~~

DIMENSIONS OF PANELS
AND RACKS

[FOR NUCLEAR ELECTRONIC
INSTRUMENTS]

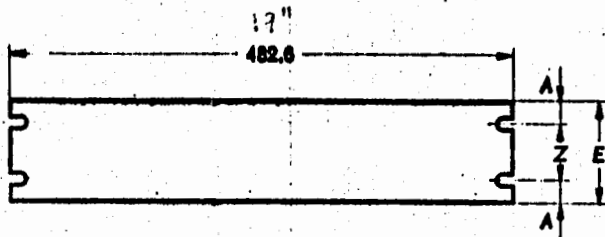
~~Domaine d'application~~

~~La présente recommandation s'applique aux
panneaux et aux racks pour les appareils
électroniques de mesure utilisés en relation avec
les rayonnements ionisants.~~

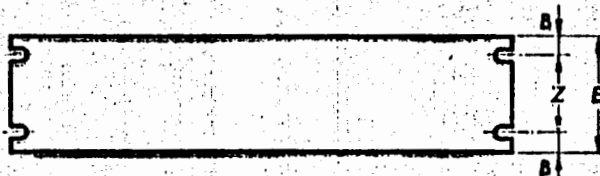
~~Note: Voir l'explication donnée dans le préface au
présent rapport sur l'applicabilité de cette
recommandation et aux données utilisées dans d'autres
normes IEC relatives à l'instrumentation
nucléaire.~~

~~Valeurs standard des dimensions des panneaux~~

~~Recommandations des dimensions~~



~~ou~~ / Or alternatively



~~Unités~~

~~(Continued on page 7)~~

1. Scope

This Recommendation applies to panels and racks for electrical measuring instruments used in connection with ionizing radiation.

Note. — See explanation given in the Preface regarding the applicability of this Recommendation to racks and panels used for other purposes than nuclear instrumentation.

2. Standard values for panel dimensions

See Clause 4 for tolerances.

Dimension Size	E	Z
2 U	88.1	76.2
1U	43.7	31.75

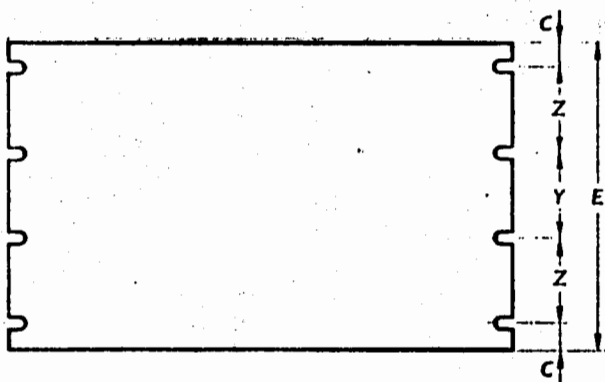
ou / Or

Dimension Size	E	Z
2 U	88,1	37,7

Dimension Size	E	Z
3 U	132,5	57,1
4 U	177,0	101,6
5 U	221,5	146,0

Dimensions in millimetres.

(Continued on page 7)



Dimension Size	E	Z	Y
6 U	265.9	57.1	76.2

Dimensions in millimetres.

Sur le panneau 6 U, les deux échancrures centrales sont facultatives.

For the 6 U panel, the two centre slots are optional.

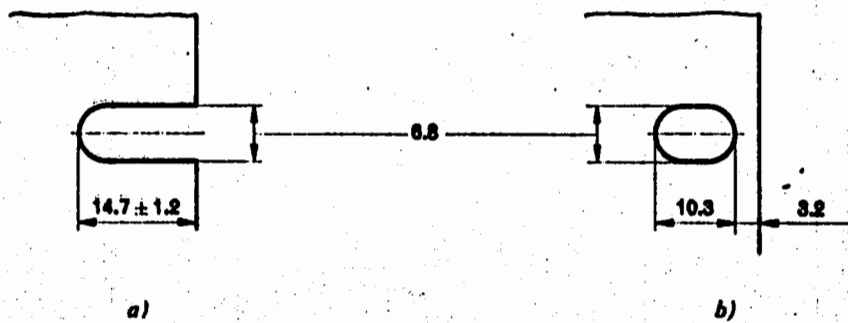
Les dimensions A, B et C entre le centre des échancrures et le bord des panneaux se déduisent des dimensions indiquées pour E, Z et Y.

The dimensions A, B and C between slot centres and panel edges are determined from the given dimensions E, Z and Y.

FIG. 1. — ~~Panneaux~~
Panels.

~~3. Détails des échancrures~~

3. Slot details



- a) ~~forme habituelle~~
usual shape
- b) ~~forme habituelle~~
alternative for special applications

~~Dimensions en millimètres.~~

Dimensions in millimetres.

FIG. 2. — ~~Détails des échancrures.~~
Slot details.

~~Dimensions~~

4. Tolerances

4.1 ~~Between any two slots~~ ± 0.4 mm
(tolerance not to be cumulative).

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4.2 ~~For all dimensions~~ ± 0.4 mm
except where otherwise specified.

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~~Standard values for rack dimensions~~

5. Standard values for rack dimensions

5.1 ~~Horizontal rack opening~~

5.1 Horizontal rack opening

EIA Std RS-310

~~Dimension: 449.3 mm~~

Dimension: 449.3 mm

450.85 mm (17.750")

~~Tolerance: ± 1.6 mm~~

Tolerance: ± 1.6 mm

± 1.575 mm (± 0.062 ")

5.2 ~~Horizontal spacing of mounting holes in racks~~

5.2 Horizontal spacing of mounting holes in racks

~~Dimension: 465.1 mm~~

Dimension: 465.1 mm

465.12 mm (18.312")

~~Tolerance: ± 1.6 mm~~

Tolerance: ± 1.6 mm

± 1.575 mm (± 0.062 ")

5.3 ~~Vertical spacing of mounting holes in racks~~

5.3 Vertical spacing of mounting holes in racks

a) ~~Between first hole and either top or bottom:~~

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~~Dimension: 7.9 mm~~

Dimension: 7.9 mm

7.9248 mm (0.312")

~~Tolerance: ± 0.8 mm~~

Tolerance: ± 0.8 mm

± 0.381 mm (± 0.018 ")

b) ~~Then, between successive holes:~~

b) Then, between successive holes:

~~Dimension: 31.75 mm~~

Dimension: 31.75 mm

~~12.7 mm~~

12.7 mm

~~31.75 mm~~

31.75 mm

etc.

~~Tolerance between any two holes: ± 0.4 mm~~
(tolerance not to be cumulative).

Tolerance between any two holes: ± 0.4 mm
(tolerance not to be cumulative).

± 0.381 mm (± 0.018 ")

~~Additional holes are permitted.~~

Additional holes are permitted.