

# DESIGN AND COMPACT CASE

## GUARDBOX 33 EASY

## Product description

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### MAIN FEATURES

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The Guardbox 33 easy is a small, but very robust enclosure that is available in different sizes. The bottom is shaped as a U-profile and thus gives the enclosure a stable hold. The lid is fixed with the front and back plate fastening. With its inner guide rails, it easily accommodates PCBs (Eurocard format or other components). A wide range of accessories enables an optimal adaptation to any application. The vibration-proof housing is characterized by its simple structure and ease of servicing.

- › Sturdy
- › Handy
- › Service friendly
- › Single or double Eurocards
- › Adjustable folding feet
- › Optional handle
- › Box, front and back plates completely anodized

### PRODUCT VARIETY

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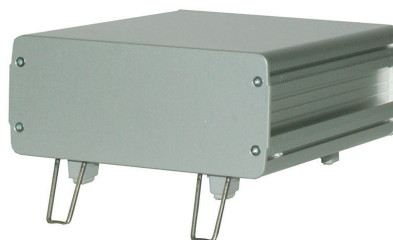
- 6 different sizes

### POSSIBLE CUSTOMIZATIONS

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- Mounting plates
- Single or double Eurocards

### GUARDBOX 33 EASY



### TYPICAL APPLICATIONS

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- Test and measurement equipment
- Laboratory and service equipment
- Equipment on train, trams, etc.

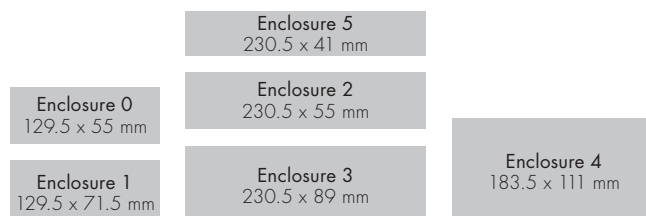
# DESIGN AND COMPACT CASE

## GUARDBOX 33 EASY

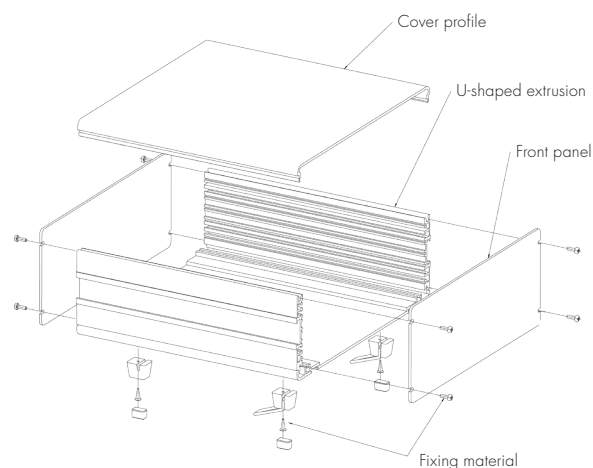
## Executions

### SIZES

- Enclosure 0: 129.5 x 55 mm
- Enclosure 1: 129.5 x 71.5 mm
- Enclosure 2: 230.5 x 55 mm
- Enclosure 3: 230.5 x 89 mm
- Enclosure 4: 183.5 x 111 mm
- Enclosure 5: 230.5 x 41 mm



Tailored to customers needs, the Guardbox 33 easy is available in six different sizes.



### GUARDBOX 33 EASY SET

Scope of delivery:

- 1 basic case anodized
- 2 front / rear panels clear anodized
- 1 set with 4 feet (2 rocking, UL94V-0) incl. screws

Enclosure	Surface	Depth			
		120 mm 4.72"	180 mm 7.08"	240 mm 9.44"	300 mm 11.81"
0	clear anodized	33-012-55	33-018-55	33-024-55	-
1	clear anodized	33-112-55	33-118-55	33-124-55	-
2	clear anodized	-	-	33-224-55	33-230-55
3	clear anodized	-	-	33-324-55	33-330-55
4	clear anodized	-	33-418-55	33-424-55	33-430-55
5	clear anodized	-	33-518-55	33-524-55	-

### COLORS

- Clear anodized
- Other colors on request

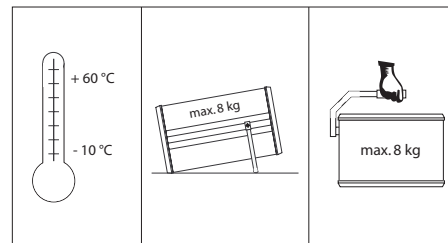
## Accessories

### CARRYING HANDLES

- For Guardbox 33 easy enclosure sizes 1 to 4
- Side parts made of plastic black
- Handle extrusion in aluminium, anodized black
- Handle can be attached at any position on the lateral groove
- Handle latches every 30 °

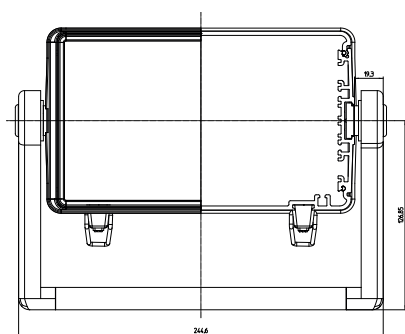
Scope of delivery:

- 1 pre-assembled handle with assembly material



Carrying capacity depends on weight distribution and handling, it also decreases with dynamic stress.

Description	Part No.
Bow handle black for enclosure 0 and 1	33-647
Bow handle black for enclosure 2 and 3	33-648
Bow handle black for enclosure 4	33-649



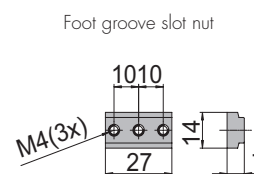
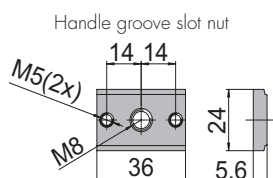
### SLIDING BLOCKS FOR HANDLE SLOTS AND FEET SLOTS

- The sliding blocks provide an optional means of attachment
- The blocks are inserted in the handle slot on the side of the case respectively in place of the feet slot
- Feet nuts are used instead of the feet

Scope of delivery:

- Sliding blocks incl. screws

Enclosure	Description	Scope of delivery	Part No.
0 - 4	Handle groove set	1 piece	33-665
0 - 5	Foot groove set	4 pieces	33-666



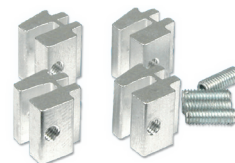
## Accessories

### CARD STOP

- Card stoppers serve to additionally fix the double Eurocards if they are installed directly in the enclosure 2, 3 and 5

Scope of delivery:

- 4 extruded card stoppers
- 4 hexagon socket set screws
- 1 hexagon socket key



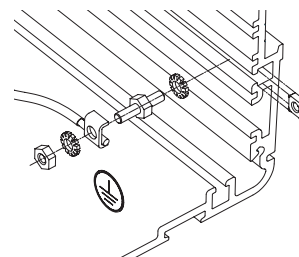
Enclosure	Part No.
0 - 5	33-618

### EARTHING TERMINAL

- Protective earthing terminal facilitates enable EN / VDE / NIV-compliant earthing

Scope of delivery:

- 1 earthing nut M3.5
- 1 threaded bolt M3.5
- 1 clamp bracket
- 2 serrated washers
- 1 nut M3.5
- 1 earthing symbol

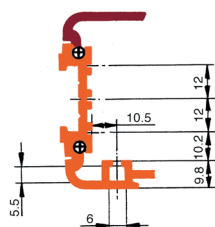


Enclosure	Description	Part No.
0 - 5	Earthing terminal	33-619

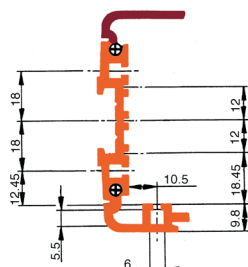
## Drawings and dimensions

### CROSS SECTIONS OF EXTRUSIONS

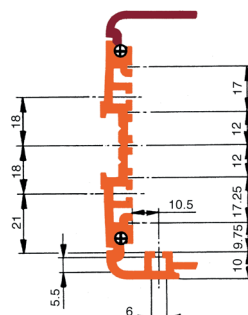
Enclosure 0 | 2



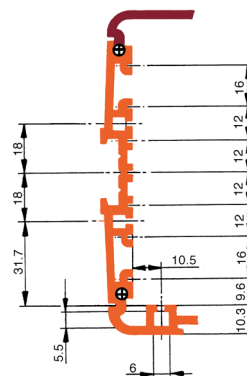
Enclosure 1



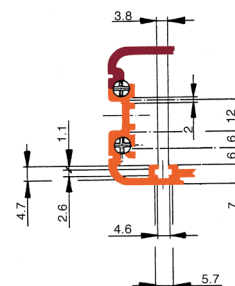
Enclosure 2



Enclosure 3

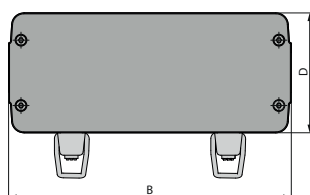


Enclosure 4

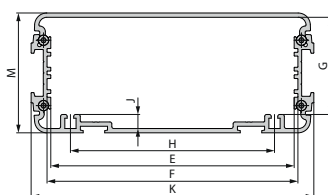


### DIMENSION DRAWINGS

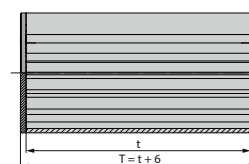
Front view



Internal dimensions



Side view



Type		A	B	C	D	E	F Nominal mass	F Board mass	G	H	J	K	M ±0.5	t = 120   4.72"	t = 180   7.08"	t = 240   9.44"	t = 300   11.81"
0	mm inch	129.5 5.1	155.5 6.12	55 2.16	69 2.71	130 5.12	134 5.27	133 5.23	51.7 2.03	109 4.29	7.5 0.29	151 5.94	64 2.52	✓	✓	✓	
1	mm inch	129.5 5.1	155.5 6.12	71.5 2.81	85.5 3.37	130 5.12	134 5.27	133 5.23	68.4 2.69	109 4.29	7.5 0.29	151 5.94	80.5 3.17	✓	✓	✓	
2	mm inch	230.5 9.07	256.5 10.1	55 2.16	69 2.71	231 9.09	235 9.25	233.35 9.18	51.7 2.03	210 8.26	7.5 0.29	252 9.92	64 2.52			✓	✓
3	mm inch	230.5 9.07	257.5 10.14	89 3.5	103 4.05	231 9.09	235 9.25	233.35 9.18	85.5 3.36	210 8.26	7.5 0.29	253 9.96	98 3.86			✓	✓
4	mm inch	183.5 7.22	210.5 8.29	111 4.37	125 4.92	184 7.24	188 7.4	186.6 7.34	106.9 4.21	163 6.41	7.5 0.29	206 8.11	120 4.72		✓	✓	✓
5	mm inch	230.5 9.07	256.5 10.1	41 1.61	56 2.2	231 9.09	235 9.25	233.35 9.18	43 1.69	210 8.26	4.7 0.18	249.5 9.82	50 1.97		✓	✓	

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