



Fire  
Resistance  
**30 Min.**



**Smoke**  
Protection  
min leakage



Material  
+ Decor  
**A2** Class



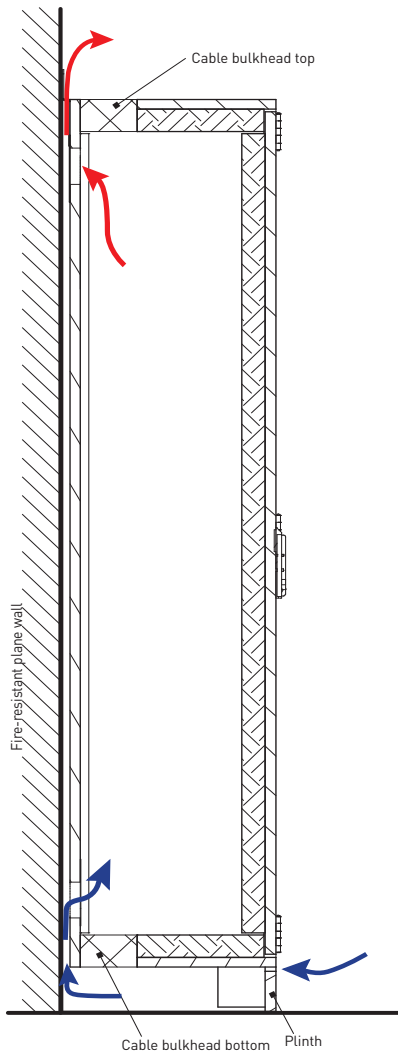
## PRIOELEC ESL31/ESL32

### Free-Standing Electrical Cabinets

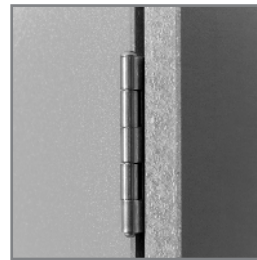
PRIORIT free-standing electrical cabinets in single- and double-leaf design, suitable for a smoke-tight and fire-resistant separation of electrical distributors in escape and rescue routes (fire load insulation). The housing is made of non-combustible building material class A2 – s1 d0. As standard, cabinets are equipped with a ventilation system in the rear wall, top and bottom cable entry. The inside dimensions are based on the standard distribution panels and mounting plates.

#### Function

- Fire resistance of 30 min, fire-retardant
- Suitable for fire load insulation of 30 minutes
- Smoke protection, cold smoke-proof
- Protection class: IK10, IP 44
- Protection class II
- CE marking



- Cable insertion from above



- Removable stainless steel door hinges



- Housing accessible from all sides and with removable front panel

## Construction

- Empty housing with high mechanical resistance
- Door hinges made from stainless steel
- Door can be unhinged
- Door hinge can be changed on site
- Door integrated into body, opening angle approx. 180°
- 2-point door lock via pivot lever with double-bit cylinder (can be replaced with home locking system)
- Circumferential fire protection seal, foams automatically in case of fire
- Cable feed top + bottom for bundle insertion
- Fixing rails for installation of device support brackets or mounting plate
- Tilt safe-guard for housing through fixing lugs at top
- Integrated base, can be driven under, with removal front panel

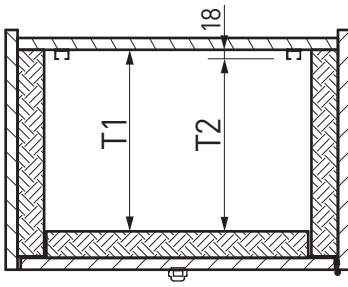
## Material characteristic

- Non-combustible board with surface coating, classification A2 – s1, d0
- Standard CPL surface
- Colour light grey, similar to RAL 7035, edges and bevels in different colour

## Scope of delivery

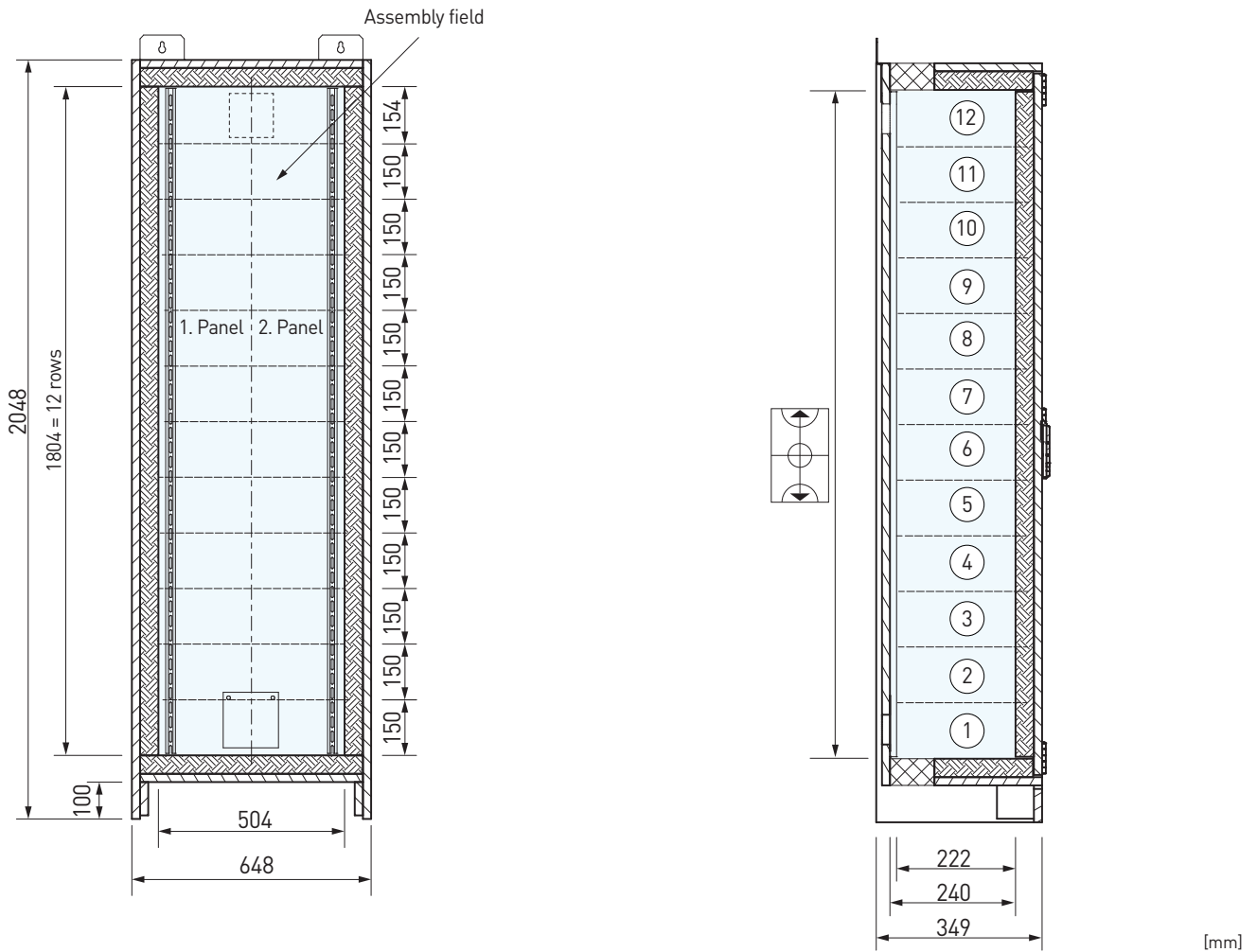
- Empty enclosure, with integrated thermal fuse

Effective internal depth

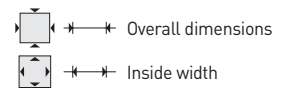


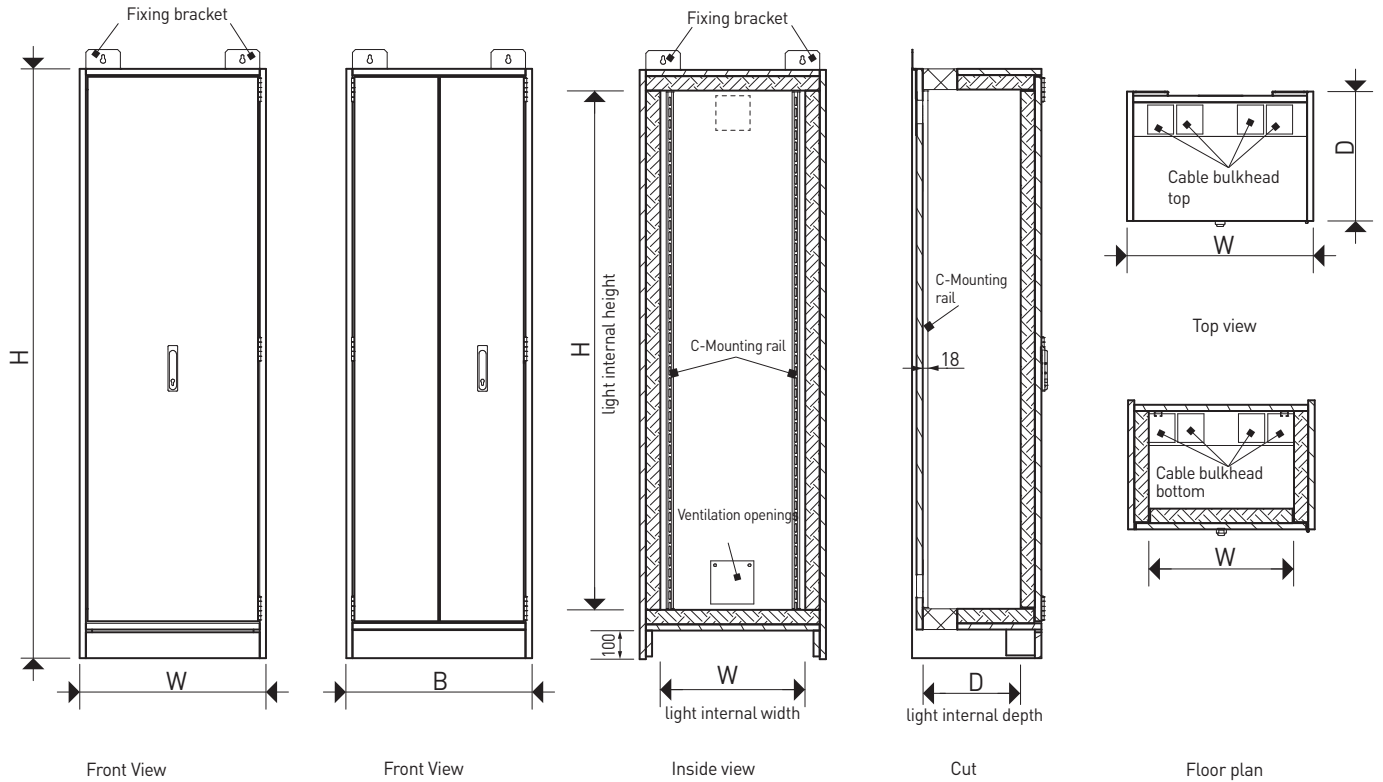
Interior depth cabinet D1 mm	Effective internal depth D2 mm
240	222
440	422

Standard cabinet ESL



Useful interior space based on the example of an PRIOELEC ESL31.12244





Art.								
x = DIN 1	H x W x D mm	H x W x D mm	kg	$P_{Vmax} = W$	DIN = x			

**Fire resistance 30 minutes** - Empty enclosure types tested and certified by the VDE testing institute in accordance with DIN EN 62208

**Single-leaf, Interior depth 240 mm**

	ESL31.12124 -x	2048 x 398 x 349	1804 x 254 x 240	152	117	L/R	11 (12)	1	132
	ESL31.12224 -x	2048 x 648 x 349	1804 x 504 x 240	206	126	L/R	11 (12)	2	264
	ESL31.12324 -x	2048 x 898 x 349	1804 x 754 x 240	259	139	L/R	11 (12)	3	396
	ESL31.13124 -x	2198 x 398 x 349	1954 x 254 x 240	163	118	L/R	12 (13)	1	144
	ESL31.13224 -x	2198 x 648 x 349	1954 x 504 x 240	220	128	L/R	12 (13)	2	288
	ESL31.13324 -x	2198 x 898 x 349	1954 x 754 x 240	278	143	L/R	12 (13)	3	432

**Single-leaf, Interior depth 440 mm**

	ESL31.12144 -x	2048 x 398 x 549	1804 x 254 x 440	209	125	L/R	11 (12)	1	132
	ESL31.12244 -x	2048 x 648 x 549	1804 x 504 x 440	268	150	L/R	11 (12)	2	264
	ESL31.12344 -x	2048 x 898 x 549	1804 x 754 x 440	328	195	L/R	11 (12)	3	396
	ESL31.13144 -x	2198 x 398 x 549	1954 x 254 x 440	223	126	L/R	12 (13)	1	144
	ESL31.13244 -x	2198 x 648 x 549	1954 x 504 x 440	286	155	L/R	12 (13)	2	288
	ESL31.13344 -x	2198 x 898 x 549	1954 x 754 x 440	350	210	L/R	12 (13)	3	432

**Double-leaf, Interior depth 240 mm**

	ESL32.12424	2048 x 1148 x 349	1804 x 1004 x 240	313	155		11 (12)	4	528
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**Double-leaf, Interior depth 440 mm**

	ESL32.12444	2048 x 1148 x 549	1804 x 1004 x 440	388	262		11 (12)	4	528
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You can find the tender text at: [www.priorit.de](http://www.priorit.de)

**$P_{Vmax}$**  Recommended approximate values for the assembly and installation of a fire-resistant wall. A "derating" of the electrical equipment must be taken into account. Compliance must be ensured with temperature rise limits in accordance with the applicable DIN EN 61439-1.



Power dissipation in normal operation at  $\Delta T = 13$  K (inside 35°C, outside 22°C), with on-site fan



Non-binding lead time approx. 2 weeks (depending on order quantities).

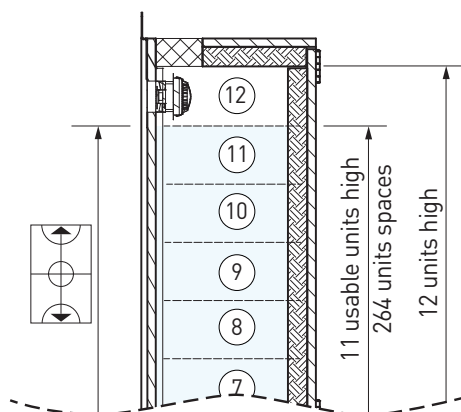


## Options and accessories

- All PRIORIT surfaces, see page 44

Art.	Accessories	Height mm
<b>Back wall</b>		
ESL.RW-131	Back wall for free-standing installation of cabinet: 42 mm – suitable for all free-standing electrical cabinets PRIOELEC ESL30 / 1 panel width	2265
ESL.RW-132	Back wall for free-standing installation of cabinet: 42 mm - suitable for all free-standing electrical cabinets PRIOELEC ESL30 / 2 panel widths	2265
ESL.RW-133	Back wall for free-standing installation of cabinet: 42 mm - suitable for all free-standing electrical cabinets PRIOELEC ESL30 / 3 panel widths	2265
ESL.RW-134	Back wall for free-standing installation of cabinet: 42 mm - suitable for all free-standing electrical cabinets PRIOELEC ESL30 / 4 panel widths	2265
<b>Technical ventilation</b>		
EBEL-VENT-L230R2-OT	Ventilation system, consisting of fan and smoke detector, ready for connection (230 V AC)	
EBEL-VENT-L24R2-OT	Ventilation system, consisting of fan and smoke detector, ready for connection (24 V DC)	

### Example:



If the EBEL-VENT-L230R2-OT or EBEL-VENT-L24R2-OT fan unit is retrofitted, the usable height is reduced by one height unit.

