

# 47 CVX 630 RANGE

FLOOR-MOUNTING DISTRIBUTION BOARDS UP TO 630A



## TECHNICAL CHARACTERISTICS

### TECHNICAL DATA

Standards: EN 60439-1, EN 60439-3 e EN 62208	Protection class: IP 30 without door
Nominal current up to 630 A	IP 55 with transparent/solid door
Nominal voltage (Ue): up to 690 V ac	Operating temperature: -5 °C ÷ 40 °C
Nominal insulation voltage (Ui): up to 1000 V ac	Storage temperature: -25 °C ÷ 55 °C
Nominal pulse holding voltage (Uimp): 8 kV 1.2/50 ms	Steel container 12/10 mm thick
Short-circuit conditioned nominal current (Icc): 50 kA	Functional frame: 15/10 mm thick
Peak nominal current (Ipk): 73 kA	15/10 mm thick sheet steel panels
Short-time nominal current (Icw): 35 kA	Sheet-steel door 12/10 mm thick
c.to c.to seal of the protection circuit (earth bar-phase): 16 kA (1s)	Hot galvanized sheet back-mounting plates 15/10 mm thick
Protection against indirect contacts: metal casing predisposed for earth connection	Painting of sheet metal with RAL 7035 grey epoxy-polyester powder

### FUNCTIONAL CHARACTERISTICS

Type of installation: interiors	Skirting (100 mm height) can be palletized by removing back and front panels
Capacity: 24/36 EN 50022 modules each row	Structures can be lined up using the available kit
Top and bottom cable entry via metal cable gland plates with seals	Structure can be wall-mounted using 2 brackets
Galvanized metal internal pillars 25 mm step drilled for the assembly of the device installation kit.	Earth connection by contact of side panels
Predisposed for assembly of internal compartment inside the 850 mm wide distribution board	Door can be assembled with reversible opening system (right or left side).

### BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted state	Concentrated	Diluted state	Esane	Benzoyl	Acetone	Ethyl alcohol		
Limited resistance	Limited resistance	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Not resistant	Resistant	Resistant	Resistant

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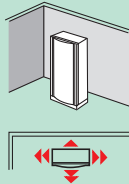
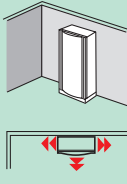
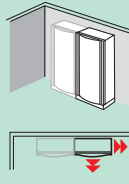
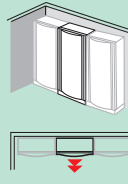
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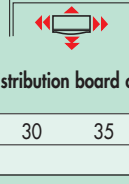
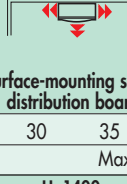
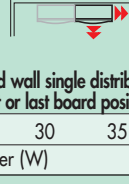
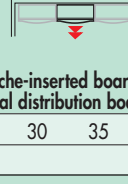
## TECHNICAL CHARACTERISTICS

### POWER CAN BE DISSIPATED

#### CVX 630 IP 30 FLOOR-MOUNTING DISTRIBUTION BOARDS

																
	Single distribution board on all sides				Surface-mounting single distribution board				Angled wall single distribution board with first or last board positioned abreast				Niche-inserted board or central distribution board set			
Overtemperature $\Delta t$ (°C)	25	30	35	40	25	30	35	40	25	30	35	40	25	30	35	40
B (mm)	Maximum dissipated power (W)															
H=1400 mm																
600	198	248	302	355	169	213	257	304	162	203	246	291	149	185	224	266
H=1800 mm																
600	230	289	350	412	209	261	316	374	196	247	299	352	187	235	284	336
850	378	473	574	677	249	313	279	448	249	312	379	447	246	309	373	441

#### CVX 630 IP 55 FLOOR-MOUNTING DISTRIBUTION BOARDS

																
	Single distribution board on all sides				Surface-mounting single distribution board				Angled wall single distribution board with first or last board positioned abreast				Niche-inserted board or central distribution board set			
Overtemperature $\Delta t$ (°C)	25	30	35	40	25	30	35	40	25	30	35	40	25	30	35	40
B (mm)	Maximum dissipated power (W)															
H=1400 mm																
600	164	205	248	293	140	176	213	251	134	167	202	240	122	153	186	219
H=1800 mm																
600	188	236	286	337	170	214	259	306	161	202	244	288	153	192	233	274
850	308	386	468	553	204	256	310	366	204	255	309	366	201	252	306	360

Power allowed to dissipate in compliance with EN 60439-1

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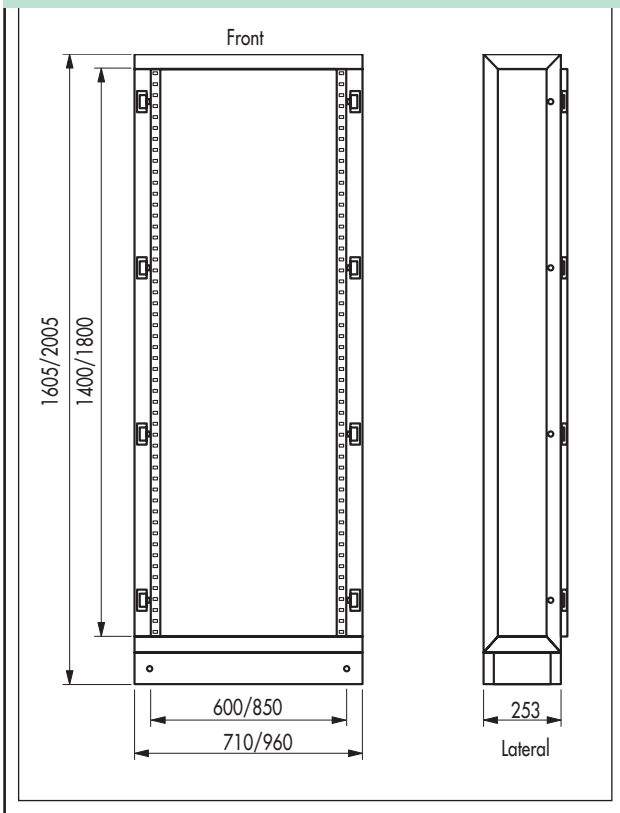
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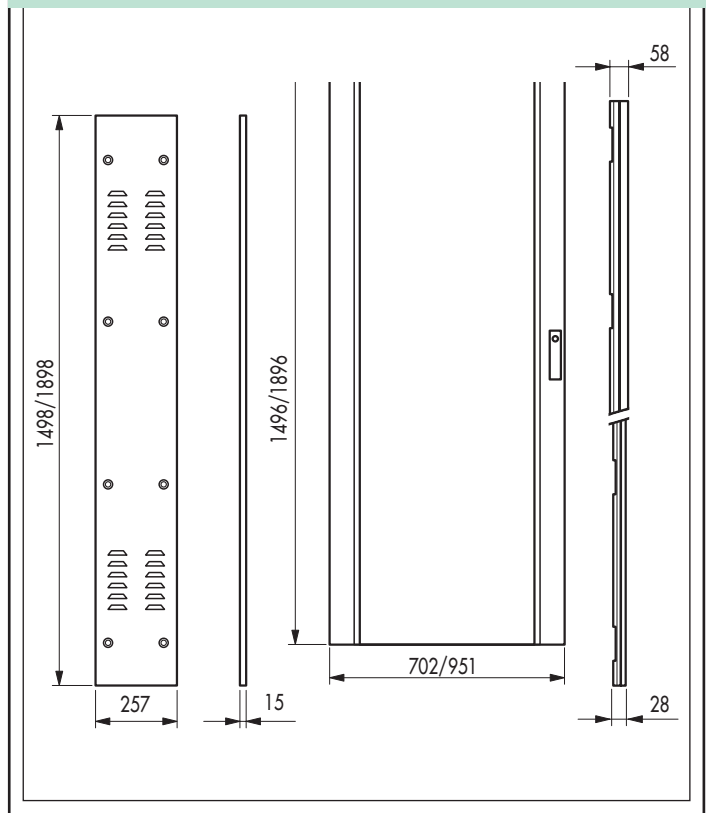
## TECHNICAL CHARACTERISTICS

### DIMENSION TABLES

#### STRUCTURE

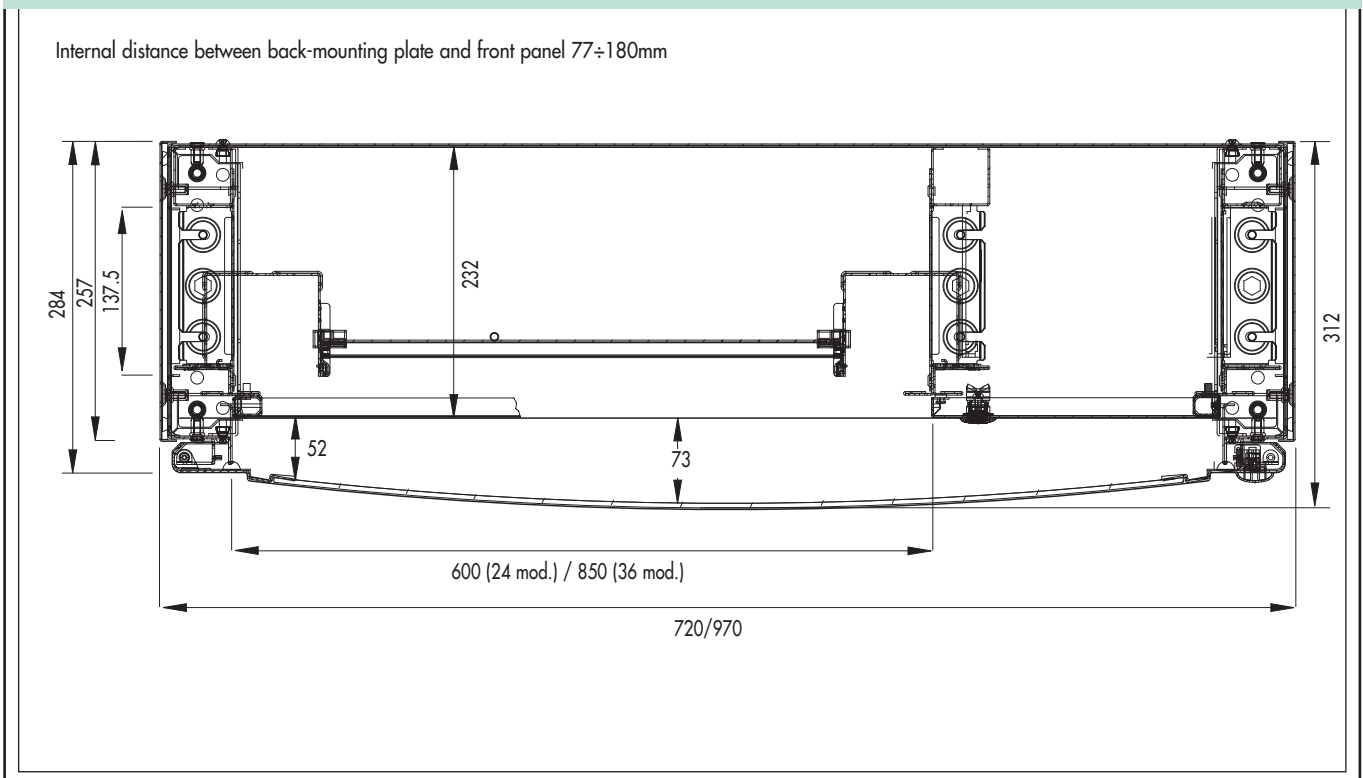


#### DOORS AND SIDE PANELS



#### STRUCTURE SECTION

Internal distance between back-mounting plate and front panel  $77 \pm 180\text{mm}$



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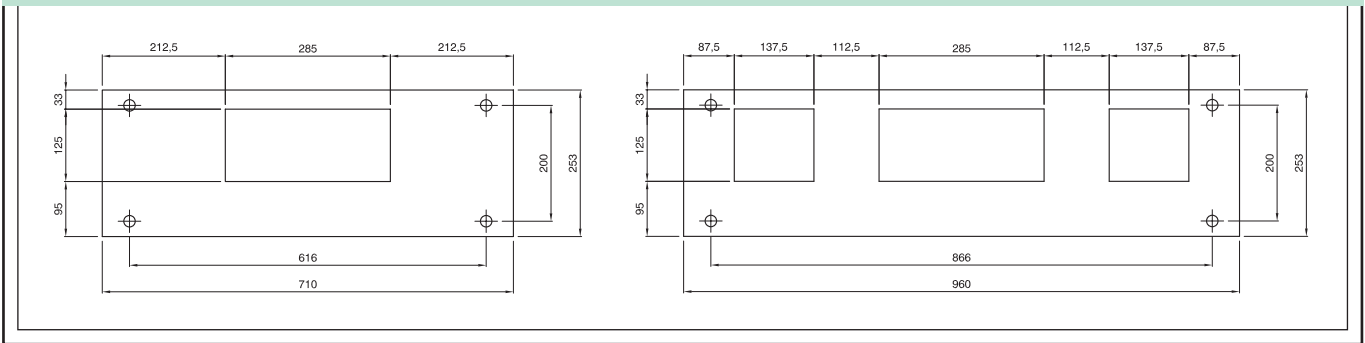
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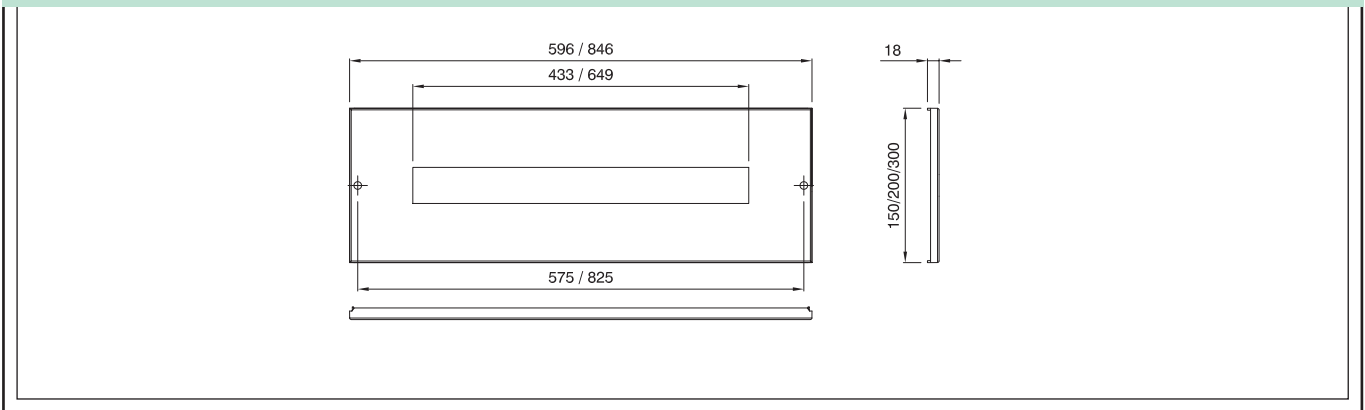


## TECHNICAL CHARACTERISTICS

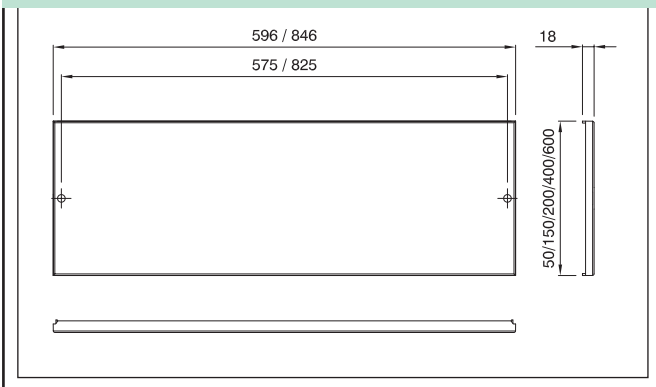
### CABLE ENTRY AND FLOOR FIXING



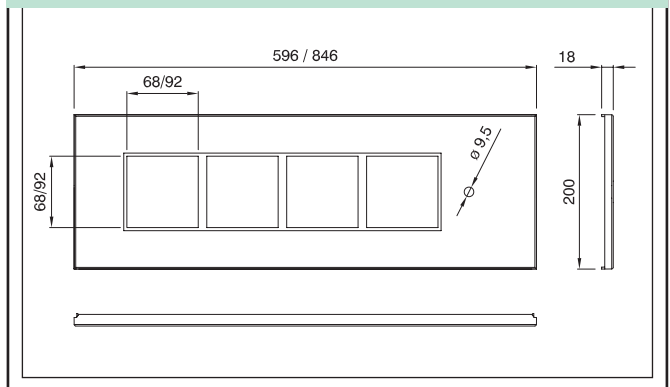
### PANELS WITH WINDOWS



### SOLID PANELS

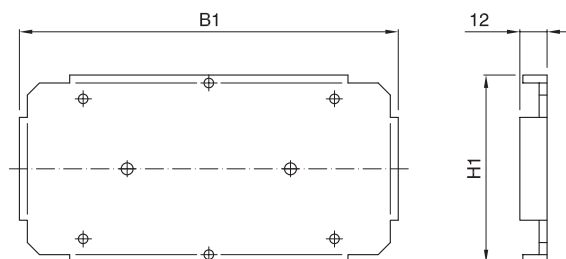


### INSTRUMENT PANELS



### BACK-MOUNTING PLATE

Functional dimensions		Effective dimensions	
B (mm)	H (mm)	B <sub>1</sub> (mm)	H <sub>1</sub> (mm)
600	200	468	176
600	400	468	376
600	600	468	576
850	200	846	176
850	400	846	376
850	600	946	576



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