

Technical data

CVX 630M	
Electrical characteristics	Mechanical characteristics
Standards: EN 61439-1 and EN 61439-2, EN 62208	Degree of protection: IP 30 without door
Rated current (In): up to 630 A	IP55 with glass/blank door
Rated operational voltage (Ue): up to 690V AC	Impact resistance: IK 07 for glass door
Rated insulation voltage (Ui): up to 1000V AC	IK 10 for metal casing and front panels
Rated impulse withstand voltage (Uimp): 8 kV 1.2/50 μ s	Operating temperature: -5°C - 40°C
Rated conditioned short-circuit current (Icc): 36 kA	Storage temperature: -25°C - 55°C
Rated peak withstand current (Ipk): 73 kA	Sheet steel casing and functional uprights: 15/10mm thick
Rated short-time withstand current (Icw): 35 kA (1s)	Sheet steel panels: 12/10mm thick
Protection against indirect contact: metal casing prearranged for earth connection	Sheet steel door: 15/10mm thick
	Back-mounting plates and kit for MCCB plates in hot galvanised sheet metal: 20/10mm thick
	Sheet metal painted with colour Grey RAL 7035 epoxy-polyester powder

FUNCTIONAL CHARACTERISTICS

Type of installation: indoors	Base (height 100mm) palletizable by removing the front and rear panels
Capacity: 24/36 EN 50022 modules per row	Structures can be lined up using the provided kit
Top and bottom cable entry through metal cable gland plates with seal	Structure can be wall-mounted using brackets
Internal functional uprights with 25mm pitch drilled for the assembly of the equipment installation kits	Earthing by contact of metal parts
Pre-arrangement for assembly of internal compartment in board at width 850mm	Door assembly with reversible opening (right or left side)

Dispersible powers

CVX 630 M boards - IP 30

Overtemperature Δt (°C)	Single board exposed on all sides				Single distribution board surface-mounted				Single board with corner walls, or first/last combined board				Single distribution board placed in niche or central board surface-mounted			
	25	30	35	40	25	30	35	40	25	30	35	40	25	30	35	40
L (mm)	Maximum dispersible power (W)															
H=1000m (surface-mounting board)																
600	-	-	-	-	159	203	247	293	152	194	236	279	148	189	229	272
850	-	-	-	-	190	240	292	343	183	232	282	331	181	229	278	327
H=1200m (surface-mounting board)																
600	-	-	-	-	169	215	260	315	163	207	250	303	159	202	244	296
850	-	-	-	-	199	250	302	360	192	242	292	348	186	234	283	337
H=1600mm (floor-mounting board)																
600	237	297	354	453	191	239	285	365	181	227	271	348	174	218	260	333
850	267	330	395	484	218	270	323	396	212	262	313	384	206	255	306	374
H=1800mm (floor-mounting board)																
600	244	306	364	464	200	251	299	381	187	235	280	357	178	224	267	340
850	275	340	403	498	229	284	336	416	220	272	322	399	214	264	313	388
H=2000mm (floor-mounting board)																
600	257	322	384	492	212	266	317	406	203	254	303	389	192	241	287	368
850	283	351	417	518	238	295	350	435	231	286	339	421	227	281	333	414

Dispersible powers obtained via laboratory tests carried out according to the method described in paragraph 10.10.4.2 of Standard EN 61439-1 and subsequently verified according to paragraph 10.10.4.3 of the same Standard.

MONOBLOC DISTRIBUTION BOARDS UP TO 630A - IP55

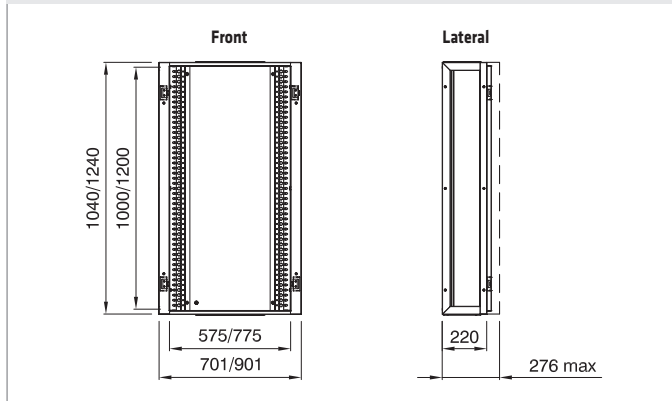
CVX 630 M boards - IP 55

	 Single board exposed on all sides				 Single distribution board surface-mounted				 Single board with corner walls, or first/last combined board				 Single distribution board placed in niche or central board surface-mounted			
	Overtemperature Δt (°C)	25	30	35	40	25	30	35	40	25	30	35	40	25	30	35
L (mm)	Maximum dispersible power (W)															
H=1000m (surface-mounting board)																
600	-	-	-	-	140	172	204	243	134	164	195	232	130	160	189	226
850	-	-	-	-	145	178	210	263	134	174	206	256	130	167	203	251
H=1200m (surface-mounting board)																
600	-	-	-	-	144	178	211	253	139	171	203	243	136	167	198	238
850	-	-	-	-	132	164	184	237	130	161	181	234	128	157	178	232
H=1600mm (floor-mounting board)																
600	190	237	279	334	153	190	225	269	146	181	214	256	140	174	205	246
850	202	245	290	362	165	200	237	296	160	198	228	291	158	195	226	289
H=1800mm (floor-mounting board)																
600	195	244	286	345	160	200	235	283	150	187	220	265	143	178	210	252
850	205	249	293	367	171	207	245	307	168	204	239	304	166	203	235	301
H=2000mm (floor-mounting board)																
600	205	257	302	363	170	212	249	300	162	203	239	287	154	192	226	272
850	210	257	299	384	176	216	251	322	174	212	247	320	171	210	242	315

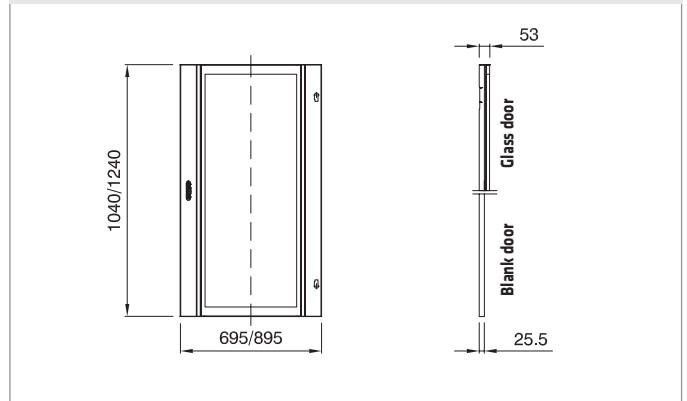
Dispersible powers obtained via laboratory tests carried out according to the method described in paragraph 10.10.4.2 of Standard EN 61439-1 and subsequently verified according to paragraph 10.10.4.3 of the same Standard.

Dimension tables

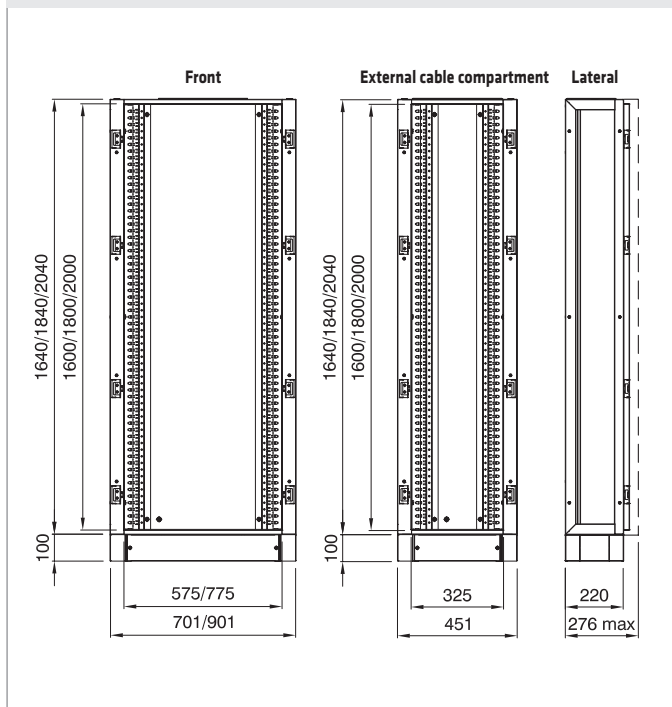
STRUCTURE OF SURFACE-MOUNTING BOARD



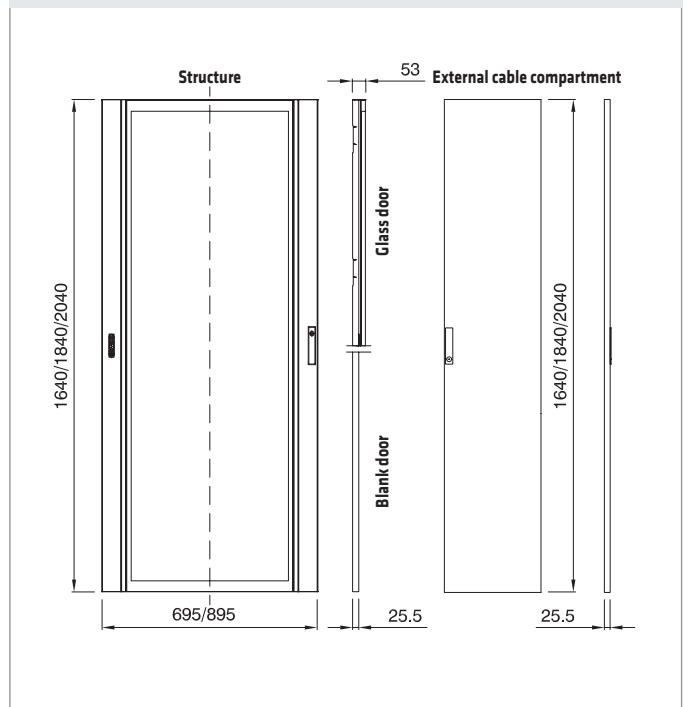
DOORS FOR SURFACE-MOUNTING BOARD



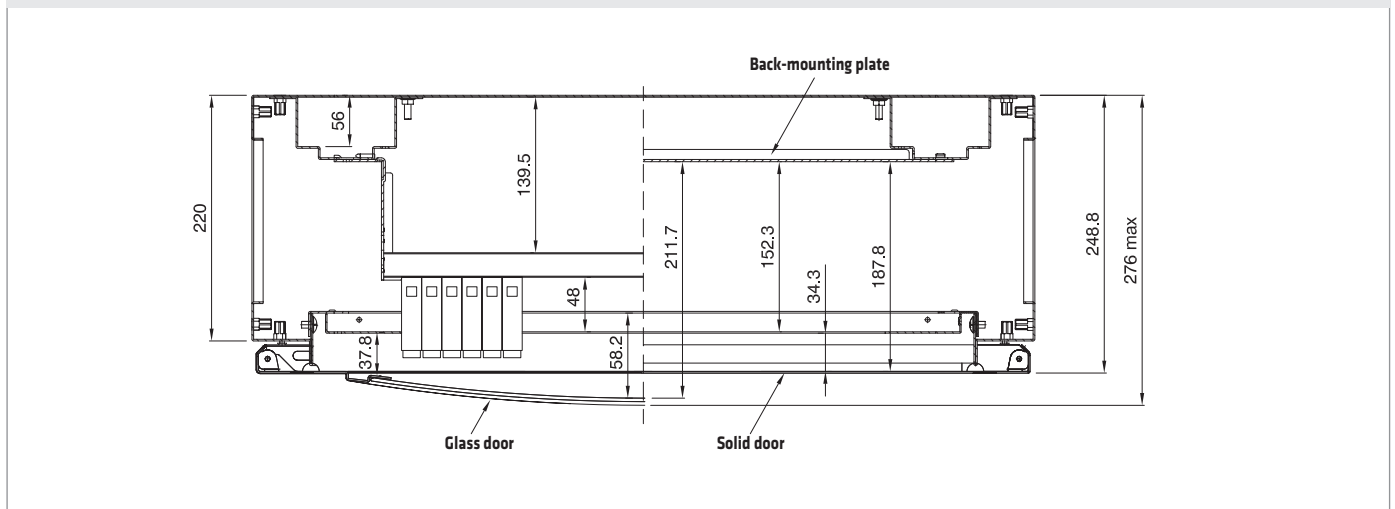
STRUCTURE OF FLOOR-MOUNTING BOARD



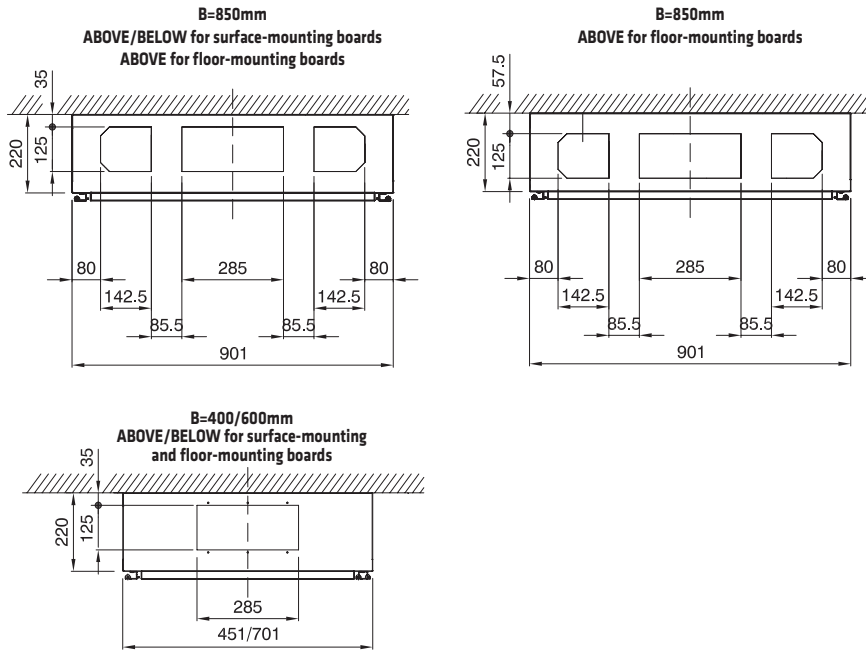
DOORS FOR FLOOR-MOUNTING BOARD



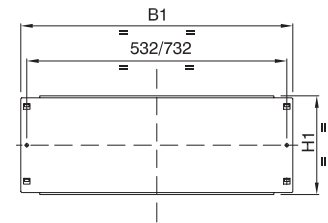
STRUCTURE SECTION



CABLE ENTRY

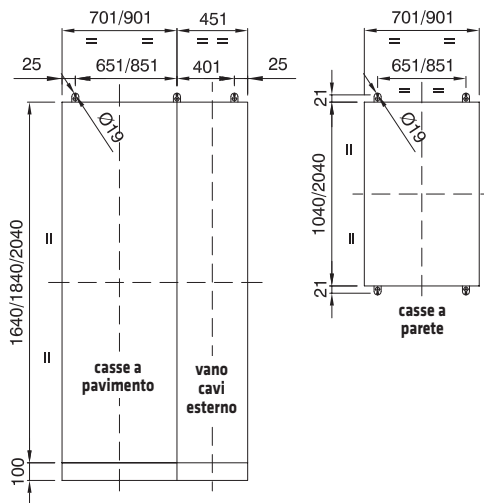


BACK-MOUNTING PLATES

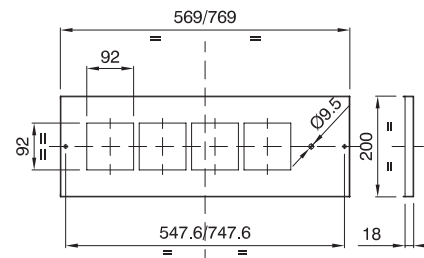


Functional dimensions		Real dimensions	
B (mm)	H (mm)	B1 (mm)	H1 (mm)
400	300	306	298
600	200	556	198
600	400	556	398
600	600	556	598
850	200	756	198
850	400	756	398
850	600	756	598

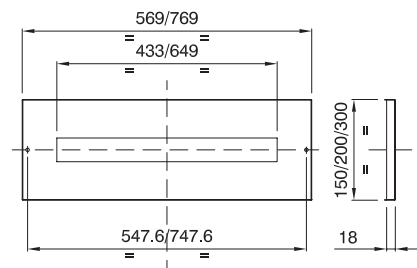
SURFACE FIXING WITH BRACKETS



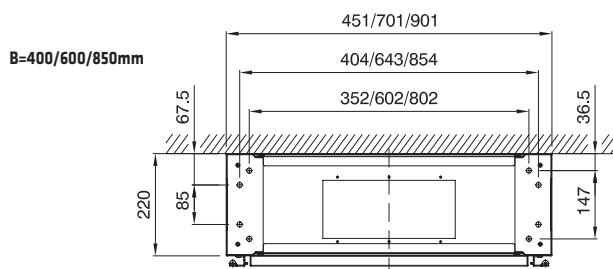
INSTRUMENT PANELS



PANELS WITH WINDOWS



FLOOR FIXING



SOLID PANELS

