

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

Technical data

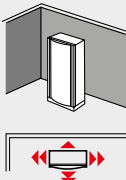
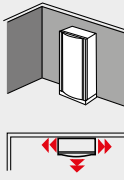
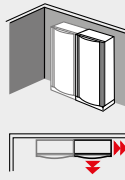
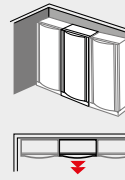
CVX 630K	
Electrical characteristics	Mechanical characteristics
Standards: EN 61439-1 and EN 61439-2, EN 62208	Degree of protection: IP 30 without door
Rated current (In): up to 630 A	IP40 with glass/blank door
Rated operational voltage (Ue): up to 690V AC	IP43 with glass/blank door and IP43 kit
Rated insulation voltage (Ui): up to 1000V AC	Impact resistance: IK 07 for glass door
Rated impulse withstand voltage (Uimp): 8 kV 1.2/50 µs	IK 10 for metal casing and front panels
Rated conditioned short-circuit current (Icc): 36 kA	Operating temperature: -5°C - 40°C
Rated peak withstand current (Ipk): 73 kA	Storage temperature: -25°C - 55°C
Rated short-time withstand current (Icw): 35 kA (1s)	Sheet steel casing and functional uprights: 15/10mm thick
Protection against indirect contact: metal casing prearranged for earth connection	Sheet steel panels: 12/10mm thick
	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	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)

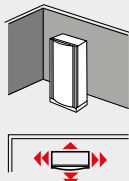
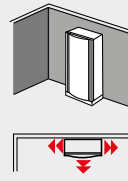
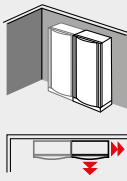
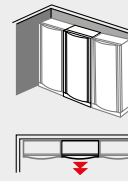
Dispersible powers

CVX 630 K - IP 30 distribution boards

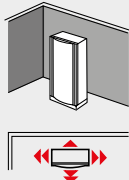
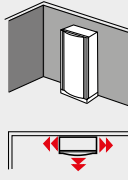
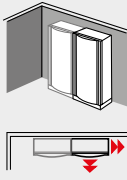
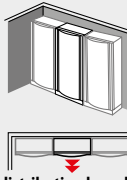
																
	Single board exposed on all sides				Single distribution board surface-mounted				Single board with corner walls, or first/last combined board				Single distribution board placed in niche or central board surface-mounted			
Overtemperature Δt (°C)	25	30	35	40	25	30	35	40	25	30	35	40	25	30	35	40
L (mm)	Maximum dispersible power (W)															
H=1000m (surface-mounting board)																
600	-	-	-	-	122	157	195	233	117	149	186	222	114	145	181	217
850	-	-	-	-	146	194	235	291	141	187	227	281	139	184	224	277
H=1200m (surface-mounting board)																
600	-	-	-	-	136	174	217	259	131	167	209	249	128	163	204	244
850	-	-	-	-	178	224	275	330	172	217	266	320	167	210	257	309
H=1600mm (floor-mounting board)																
600	234	299	373	445	188	241	300	358	179	229	286	341	172	220	274	327
850	273	345	434	523	224	282	356	428	217	273	345	415	211	267	336	405
H=1800mm (floor-mounting board)																
600	267	342	427	500	219	281	350	410	205	263	327	384	196	250	312	366
850	295	372	463	552	246	310	387	461	236	297	371	442	229	289	360	429
H=2000mm (floor-mounting board)																
600	299	369	477	555	247	305	393	458	236	292	377	438	224	276	357	415
850	306	388	487	586	257	326	409	492	249	316	396	476	245	310	389	468

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

CVX 630 K - IP 40 distribution boards

																
	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	40
L (mm)	Maximum dispersible power (W)															
H=1000m (surface-mounting board)																
600	-	-	-	-	96	123	143	167	91	118	136	159	89	115	132	155
850	-	-	-	-	107	138	177	211	105	137	175	209	104	136	174	207
H=1200m (surface-mounting board)																
600	-	-	-	-	112	137	163	193	108	131	157	185	105	128	153	181
850	-	-	-	-	121	160	205	243	119	158	204	241	118	157	203	239
H=1600mm (floor-mounting board)																
600	169	220	261	312	136	177	210	251	130	169	200	239	124	162	192	229
850	194	238	313	371	159	195	256	304	156	191	255	303	155	188	251	299
H=1800mm (floor-mounting board)																
600	176	231	277	324	145	189	227	266	135	177	213	249	129	169	203	237
850	205	250	321	387	171	209	268	323	167	207	267	321	166	205	265	318
H=2000mm (floor-mounting board)																
600	194	255	299	340	160	211	247	280	153	202	237	268	145	191	224	254
850	214	271	335	396	180	228	281	333	179	225	278	331	176	223	276	329

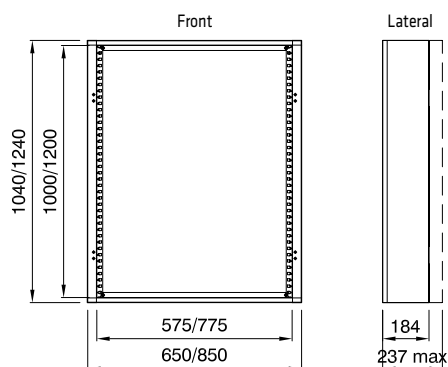
CVX 630 K - IP 43 distribution boards

	 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	40
L (mm)	Maximum dispersible power (W)															
H=1000m (surface-mounting board)																
600	-	-	-	-	93	120	137	158	89	114	131	151	86	111	127	147
850	-	-	-	-	99	125	156	184	97	123	154	182	96	122	153	180
H=1200mm (surface-mounting board)																
600	-	-	-	-	109	133	157	183	105	128	151	176	102	125	148	172
850	-	-	-	-	112	146	181	211	110	144	180	210	109	142	179	208
H=1600mm (floor-mounting board)																
600	165	213	251	295	132	172	202	238	126	163	193	227	121	157	185	217
850	180	217	276	323	147	177	226	265	145	174	225	263	144	186	221	260
H=1800mm (floor-mounting board)																
600	172	224	267	307	141	184	219	252	132	172	205	236	126	164	195	225
850	189	228	283	336	158	190	237	281	155	188	235	279	154	186	233	277
H=2000mm (floor-mounting board)																
600	189	243	288	322	156	205	238	266	149	196	228	254	141	185	216	241
850	198	247	295	345	166	207	248	290	165	205	245	288	163	203	243	286

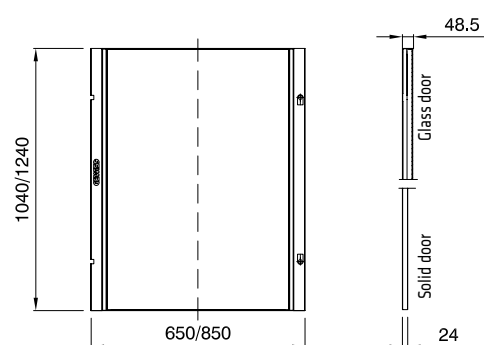
Dispersible powers obtained via laboratory tests carried out according to the method described in paragraph 10.10.4.2 of Standard EN 61439-1 and subsequently verified according to paragraph 10.10.4.3 of the same Standard.

Dimension tables

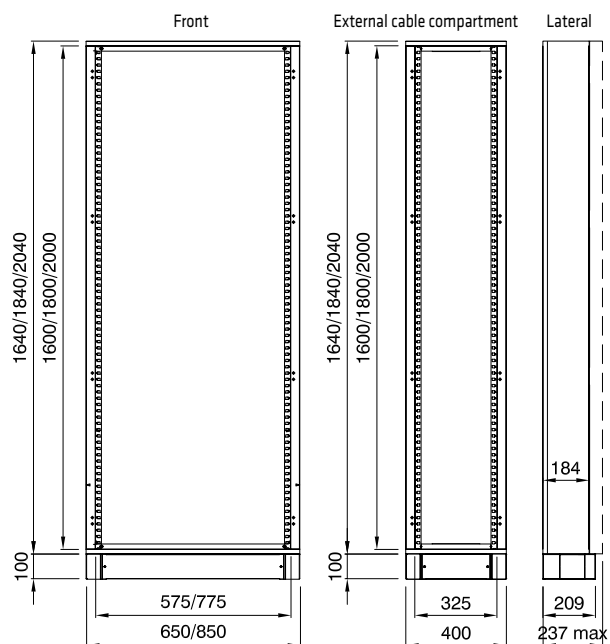
STRUCTURE OF SURFACE-MOUNTING BOARD



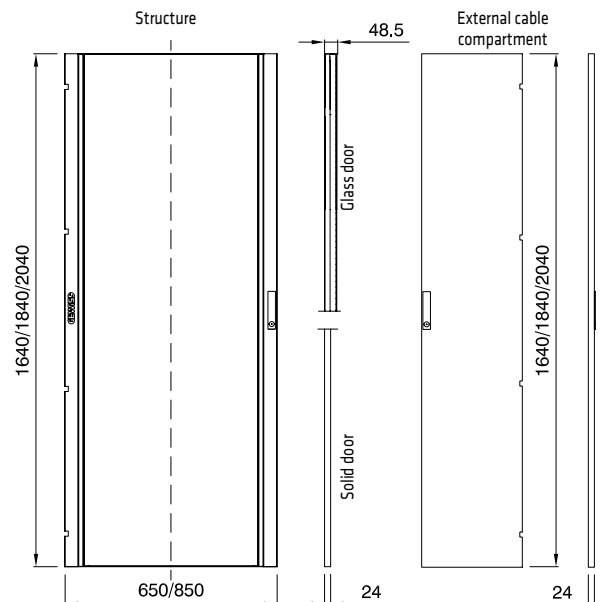
DOORS FOR SURFACE-MOUNTING BOARD



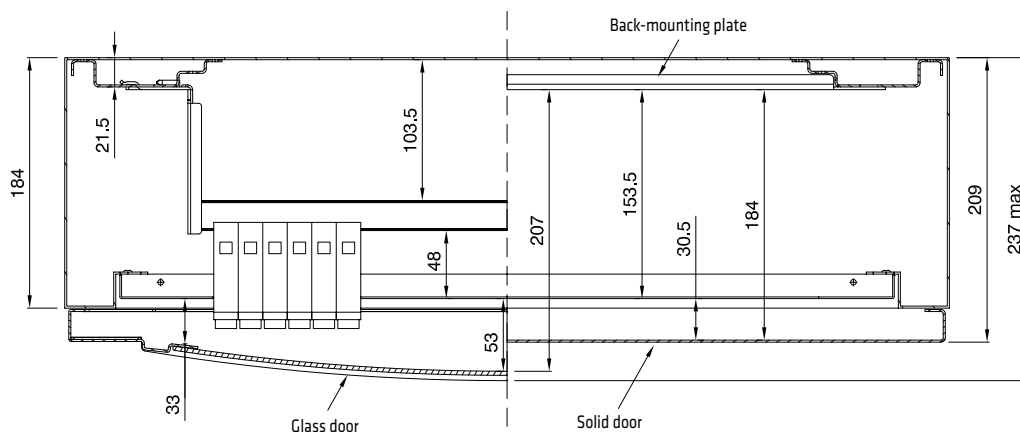
STRUCTURE OF FLOOR-MOUNTING BOARD



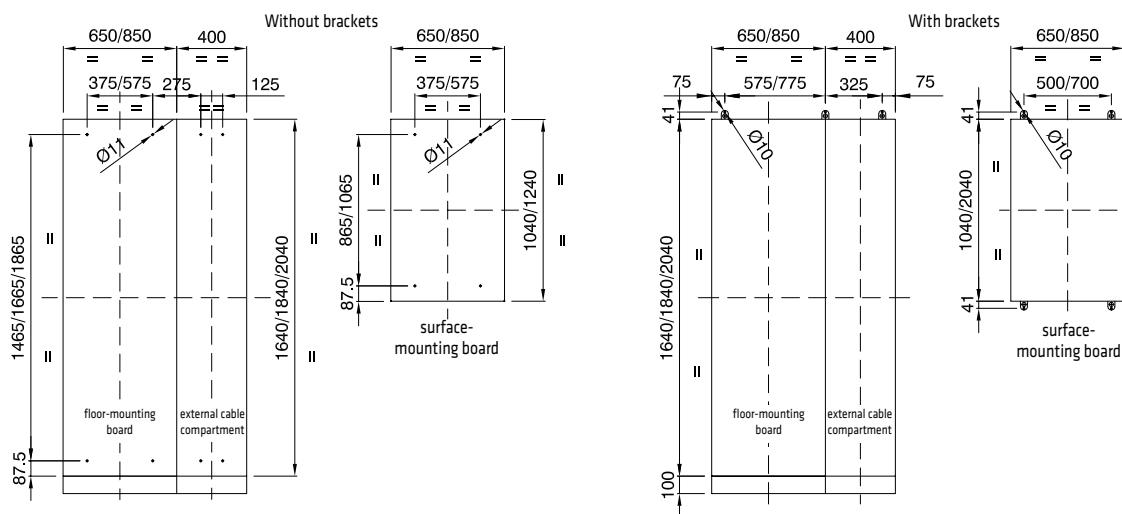
DOORS FOR FLOOR-MOUNTING BOARD



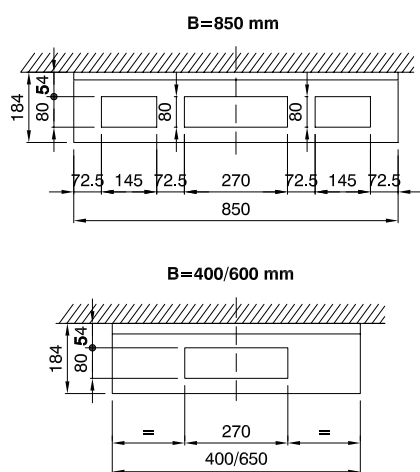
STRUCTURE SECTION



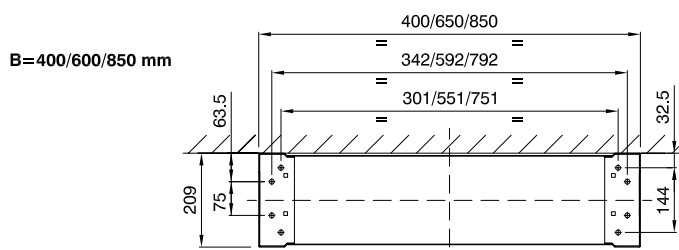
SURFACE FIXING



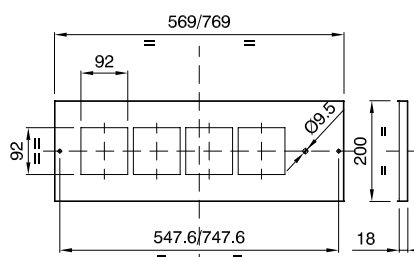
CABLE ENTRY



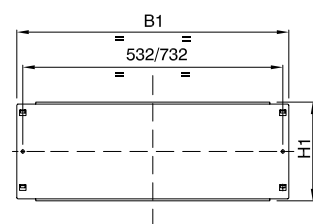
FLOOR FIXING



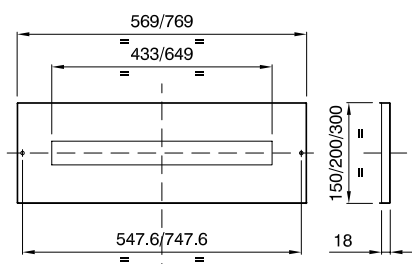
INSTRUMENT PANELS



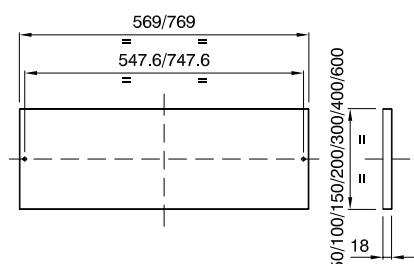
BACK-MOUNTING PLATES



PANELS WITH WINDOWS



SOLID PANELS



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