



FL110A

**Enclosures with plain door**  
steel colour RAL 7035

**IP 65** / door closed  
insulation class : I ↓  
according to IEC 60529  
1,5mm thick sheet steel for  
body and door  
These enclosures feature :

- 2 removable gland plate for cable entry on top and bottom,
- earth studs on both body and door,
- door easily removable,

plain door equipped with one or two locks with triangular 8mm bit centres, located out of the sealed area.

**Options :**

- key lock,
- wall fixing brackets,
- plain or perforated mounting plate,
- equipment kits for modular devices

For technical information see page T.7

Designation	Characteristics	No. of locks	Ref. plain door	Ref. transpar. door
<b>Orion Plus metal enclosures</b>				
	dimensions : height x width x depth			
	300 x 250 x 160	1	FL 102A	FL 152A
	350 x 300 x 160	1	FL 104A	FL 154A
	350 x 300 x 200	1	FL 105A	FL 155A
	500 x 300 x 200	1	FL 110A	FL 160A
	500 x 400 x 200	1	FL 112A	FL 162A
	650 x 400 x 200	2	FL 117A	FL 167A
	650 x 400 x 250	2	FL 118A	FL 168A
	650 x 500 x 200	2	FL 119A	FL 169A
	650 x 500 x 250	2	FL 120A	FL 170A
	800 x 600 x 250	2	FL 123A	FL 173A
	800 x 600 x 300	2	FL 124A	FL 174A
	950 x 600 x 250	2	FL 125A	FL 175A
	950 x 600 x 300	2	FL 126A	FL 176A
	950 x 800 x 250	2	FL 127A	FL 177A
	950 x 800 x 300	2	FL 128A	FL 178A
	1250 x 800 x 300	2	FL 130A	FL 180A



FL 110A




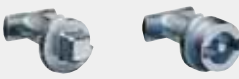



FL 958A

**Plinth**

height 50 mm

for enclosure :		
FL 119A 500 x 200		FL 957A
FL 120A 500 x 250		FL 958A
FL 123A 600 x 250		FL 959A
FL 126A 600 x 300		FL 960A
FL 127A 800 x 250		FL 961A
FL 128A, FL 130A 800 x 300		FL 962A

\* available 2<sup>nd</sup> half 2006

<i>Designation</i>	<i>Characteristics</i>	<i>Ref.</i>	
 <p>FL 96Z</p>	<p><b>Key lock</b></p> <p>replace the triangular locks of origin</p>	<p>key lock to be mounted on the triangular lock</p>	<p><b>FL 96Z</b></p>
 <p>FL 80Z      FL 95Z</p>		<p>1 set of 2 key locks with male square 8mm, with 1 key</p>	<p><b>FL 80Z</b></p>
 <p>FL 85Z</p>	<p><b>Wall fixing brackets</b></p> <p>metal</p>	<p>metallic wall fixing brackets with screws</p> <p>set of 4 pieces</p>	<p><b>FL 95Z</b></p> <p><b>FL 85Z</b></p>
 <p>FL 874A</p>		<p><b>Kit for connection to earth</b></p> <p>for metal enclosures</p>	<p><b>FL 874A</b></p>
 <p>FL 670A</p>	<p><b>Vertical connection kit</b></p>		<p><b>FL 670A</b></p>

\* available 2<sup>nd</sup> half 2006



FL 216B

**Enclosure with plain door**

Made of glass reinforced polyester (GRP)

Colour : RAL 7035

FL 01B : RAL 7032

Body made out of one piece up to height 800mm

**IP 65** / door closed IEC60529

insulation class : II  according to IEC 61140

These enclosures feature :

- Plain door equipped with one or two locks with triangular 8mm centres, located out of the sealed area, gasket directly moulded on the door.

- studs in the back of the enclosure for mounting plate fastening.

**Options :**

- key lock,
- wall fixing brackets,
- plain or perforated mounting plate,
- equipment kits for modular devices.

For technical information see page T.8



FL 216B

Designation	Characteristics	No of locks	Ref. plain door	Ref. transpar. door
<b>Orion Plus GRP enclosures</b>	dimensions in mm : height x width x depth			
	heights : top and bottom parts			
	300 x 250 x 160	1	FL 201B	
	350 x 300 x 160	1	FL 204B	FL 254B
	500 x 300 x 200	2	FL 209B	FL 259B
	500 x 400 x 200	2	FL 213B	FL 263B
	650 x 400 x 200	2	FL 216B	FL 271B
	650 x 500 x 250	2	FL 221B	FL 279B
	800 x 600 x 300	2	FL 229B	FL 502B
	1150 x 600 x 300	1	FL 302B	FL 527B
	1200 x 850 x 300	1	FL 327B	
	1450 x 850 x 300 *	2	FL 352B	
	1750 x 850 x 300 *	2	FL 354B	
	2050 x 1100 x 300 *	2	FL 368B	

\* enclosure with 2 superposed doors and a plinth height 70mm

FL 01B made of polycarbonate



FL 92Z



FL 81Z



FL 97Z

**Locks**

**key locks** to be mounted on the triangular lock, supplied with 2 keys n° 427

for enclosures h ≤ 800

for enclosures h ≥ 1150

**FL 96Z**

**FL 98Z**

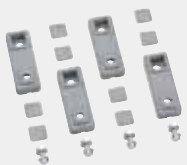
replacement of triangular lock of origin

**1 set of 2 locks with male square 8mm** with 1 key

**FL 81Z**

**1 set of 2 locks double-bars 3mm** with 1 key

**FL 97Z**



FL 863Z

**Plastic wall fixing brackets**

delivered with fixing screws M6x12 on enclosure set of 4 pieces

**FL 863Z**

\* available 2<sup>nd</sup> half of 2006



*Designation* *Characteristics* *Ref.*



FL 981A

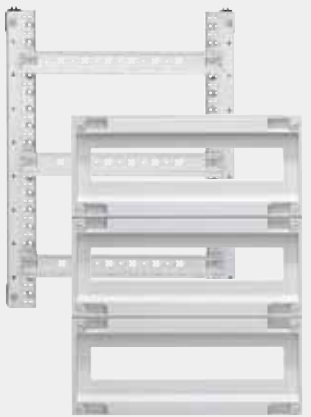
**Equipment kits**  
for modular devices

**- on chassis**  
only FL 980A and FL 981A,

for enclosures :  
FL 104A, FL 105A, FL 204B 2 rows (24 ) **FL 980A**  
FL154A, FL155A, FL254B

composed of  
- rails DIN (slide length 44 mm) assembled on chassis and adjustable in depth (of front plates with slide)

FL 110A, FL 209B 3 rows (36 ) **FL 981A**  
FL160A, FL259B



**- on vertical rail**  
composed of

FL 112A, FL 213B 3 rows (48 ) **FL 992A**  
FL162A, FL263B

- 2 vertical rail, DIN rail (slide length 44 mm) **FL 993A**  
FL 117A, FL 118A, FL 216B 4 rows (64 )  
FL167A, FL168A, FL266B

- front plates with slit **FL 994A**  
- a cross-rail authorizing the assembly of bars on base and slides

FL 119A, FL 120A, FL 221B 4 rows (88 ) **FL 994A**  
FL169A, FL170A, FL271B

FL 123A, FL 124A, FL 229B 5 rows (130 ) **FL 996A**  
FL173A, FL174A, FL279B

FL 125A, FL 126A 6 rows (156 ) **FL 997A**  
FL175A, FL176A

FL 127A, FL 128A 6 rows (222 ) **FL 998A**  
FL177A, FL178A

**Adjustable DIN rails**  
in depth for terminal blocks  
tilting 30°

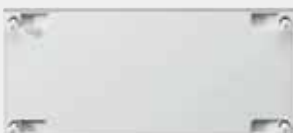
for enclosures : length :

FL 112A, FL 117A, FL 118A, 400 mm **FL 500A**  
FL 213B, FL 216B, FL162A

for equipment kits with vertical rails 500 mm **FL 501A**  
FL 119A, FL 120A, FL 221B, FL169A, FL170A, FL271B

FL 123A, FL 124A, FL 125A, 600 mm **FL 502E**  
FL 126A, FL129A, FL 229B, FL173A, FL174A, FL175A, FL179A  
FL176A ,FL279B

FL 127A, FL 128A, FL130A 800 mm **FL 503E**  
FL177A, FL178A, FL180A



FL 712E

**Plain front plates**  
for equipment kits  
for modular devices,

for enclosures :

FL 104A, FL 105A, FL 110A, 300 mm **VP 03Z**  
FL154A, FL155A, FL160A  
FL 204B, FL254B

replacement of the front plates with slits of origin

FL 112A, FL 117A, FL 118A, 400 mm **FL 712E**  
FL162A, FL167A, FL168A,  
FL 213B, FL 216B, FL263B,  
FL266B





height : 150 mm

FL 119A, FL 120A, FL 221B 500 mm **FL 713E**  
FL169A, FL170A, FL271B

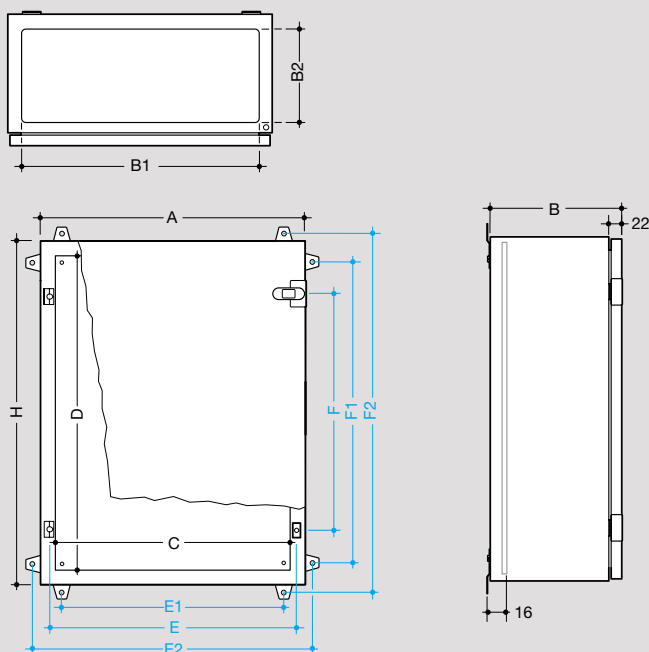
FL 123A, FL 124A, FL 125A, 600 mm **FL 714E**  
FL 126A, FL129A, FL173A,  
FL174A, FL175A, FL179A,  
FL176A, FL279B, FL 229B

\* available 2<sup>nd</sup> half of 2006

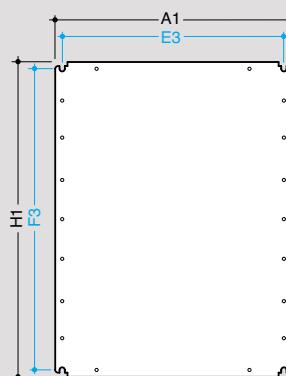
FL 127A, FL 128A, FL130A 800 mm **FL 715E**  
FL177A, FL178A, FL180A

	<i>Designation</i>	<i>Characteristics</i>	<i>Pack qty</i>	<i>Ref.</i>	
 FL 70Z	<b>Cable trunking</b> horizontal and vertical	width x depth 25 x 60 mm	length. 2 x 2m	<b>2</b>	<b>FL 70Z</b>
		40 x 60 mm	length. 2 x 2m	<b>2</b>	<b>FL 71Z</b>
 UZ25V1      UZ25V2	<b>Wire guides</b> to be fixed on the rail with support UZ 01V1 by simple rotation	large wire guide		<b>20</b>	<b>UZ 25V1</b>
		small wire guide		<b>20</b>	<b>UZ 25V2</b>
	<b>Supports for fixing</b> for wire guides	clip fixing		<b>20</b>	<b>UZ 01V1</b>
	<b>Blanking strip</b> to blank a row (e.g. for terminals) on a front plate for modular devices (kit is composed of 6 pieces per 4 modules)	separable by 1/2 ■	length. 4 ■	<b>20</b>	<b>FL 871Z</b>
	<b>Marking strip</b> for front plates	includes : - adhesive transparent label holders - marking labels	length. 24 ■	<b>12</b>	<b>JE 003</b>
 FL 672E	<b>Setting slides</b> in-depth of mounting plates	for enclosure : FL 302B, FL 327B, FL 352B, FL 354B, FL 368B		<b>5</b>	<b>FL 672E</b>
 FZ 672Z	<b>Painting aerosol can</b> for the touch-up of the Orion Plus enclosures	colour RAL 7035			<b>FL 672Z</b>

**Metal enclosures Orion Plus**



**Mounting plate**



**nota** : foresee "A + 25 mm" to open the door

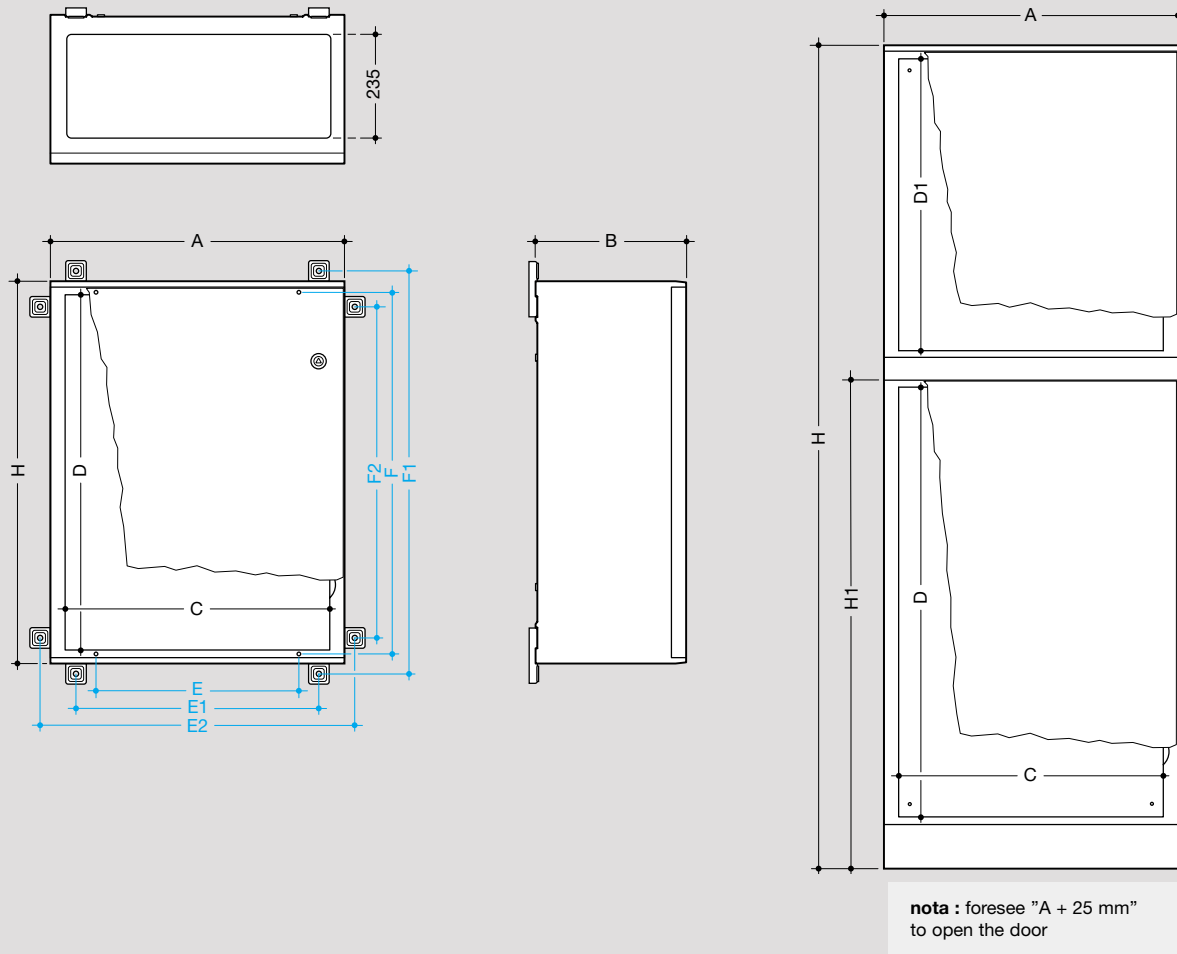
**Dimensions**

references	rows	enclosure							outside fixing				inside fixing	
		A	H	B	B1	B2	C	D	E1	E2	F1	F2	E	F
FL 102A	-	250	300	160	195	80	200	250	210	320	220	332	169	208
FL 104A	2	300	350	160	245	80	250	300	260	370	272	382	219	258
FL 105A	2	300	350	200	245	120	250	300	260	370	272	382	219	258
FL 110A	3	300	500	200	245	120	250	450	260	370	422	532	219	408
FL 112A	3	400	500	200	345	120	350	450	360	470	422	532	319	408
FL 117A	4	400	650	200	345	120	350	600	360	470	572	682	319	558
FL 118A	4	400	650	250	345	170	350	600	360	470	572	682	319	558
FL 119A	4	500	650	200	445	120	450	600	460	570	572	682	419	558
FL 120A	4	500	650	250	445	170	450	600	460	570	572	682	419	558
FL 123A	5	600	800	250	545	170	550	750	560	670	722	832	519	708
FL 124A	5	600	800	300	545	220	550	750	560	670	722	832	519	708
FL 125A	6	600	950	250	545	170	550	900	560	670	872	982	519	858
FL 126A	6	600	950	300	545	220	550	900	560	670	872	982	519	858
FL 127A	6	800	950	250	745	170	750	900	760	870	872	982	719	858
FL 128A	6	800	950	300	745	220	750	900	760	870	872	982	719	858
FL 130A	-	800	1250	300	745	220	750	1200	760	870	1172	1282	719	1158

**Dimensions of mounting plates**

full plates	perforated plates	for enclosures	dimensions plates		plates fixing	
			A1	H1	E3	F3
FL 402A	FL 472A	FL 102A	193	280	169	208
FL 404A	FL 473A	FL 104A, FL 105A, FL 204B	243	330	219	258
FL 407A	FL 474A	FL 110A, FL 209B	243	480	219	258
FL 408A	FL 475A	FL 112A, FL 213B	343	480	219	408
FL 412A	FL 476A	FL 117A, FL 118A, FL 216B	343	630	319	408
FL 413A	FL 477A	FL 120A, FL 221B	443	630	319	558
FL 415A	FL 479A	FL 123A, FL 124A, FL 229B	543	780	319	558
FL 416A	FL 480A	FL 125A, FL 126A	543	930	419	558
FL 417A	FL 481A	FL 127A, FL 128A	743	930	419	558
FL 419A	FL 483A	FL 130A	743	1230	519	708
FL 512E		FL 302B	493	1080	519	708
FL 520E		FL 352B, FL 354B	693	480	519	858
FL 521E		FL 352B	693	780	519	858
FL 522E		FL 327B, FL 354B	693	1080	719	858
FL 531E		FL 368B	993	780	719	858
FL 532E		FL 368B	993	1080	719	1158

GRP enclosures Orion Plus



Dimensions

references	rows	enclosure		inside fixing						outside fixing				
		A	H	H1	B	C	D	D1	E	F	E1	E2	F1	F2
FL 204B	2	300	350	-	160	250	300	-	219	258	339	339	269	389
FL 209B	3	300	500	-	200	250	450	-	219	408	339	339	419	539
FL 213B	3	400	500	-	200	350	450	-	319	408	439	439	419	539
FL 216B	4	400	650	-	200	350	600	-	319	558	439	439	569	689
FL 221B	4	500	650	-	250	450	600	-	419	558	539	539	569	689
FL 229B	5	600	800	-	300	550	750	-	519	708	639	639	719	839
FL 302B	-	600	1150	-	300	500	1050	-	-	-	-	-	-	-
FL 327B	-	850	1200	-	300	750	1050	-	-	-	-	-	-	-
FL 352B	-	850	1450	810	300	750	750	510	-	-	-	-	-	-
FL 354B	-	850	1750	1100	300	750	1050	510	-	-	-	-	-	-
FL 368B	-	1100	2050	1110	300	1000	1050	510	-	-	-	-	-	-