

Electronic Driven **PRIME**

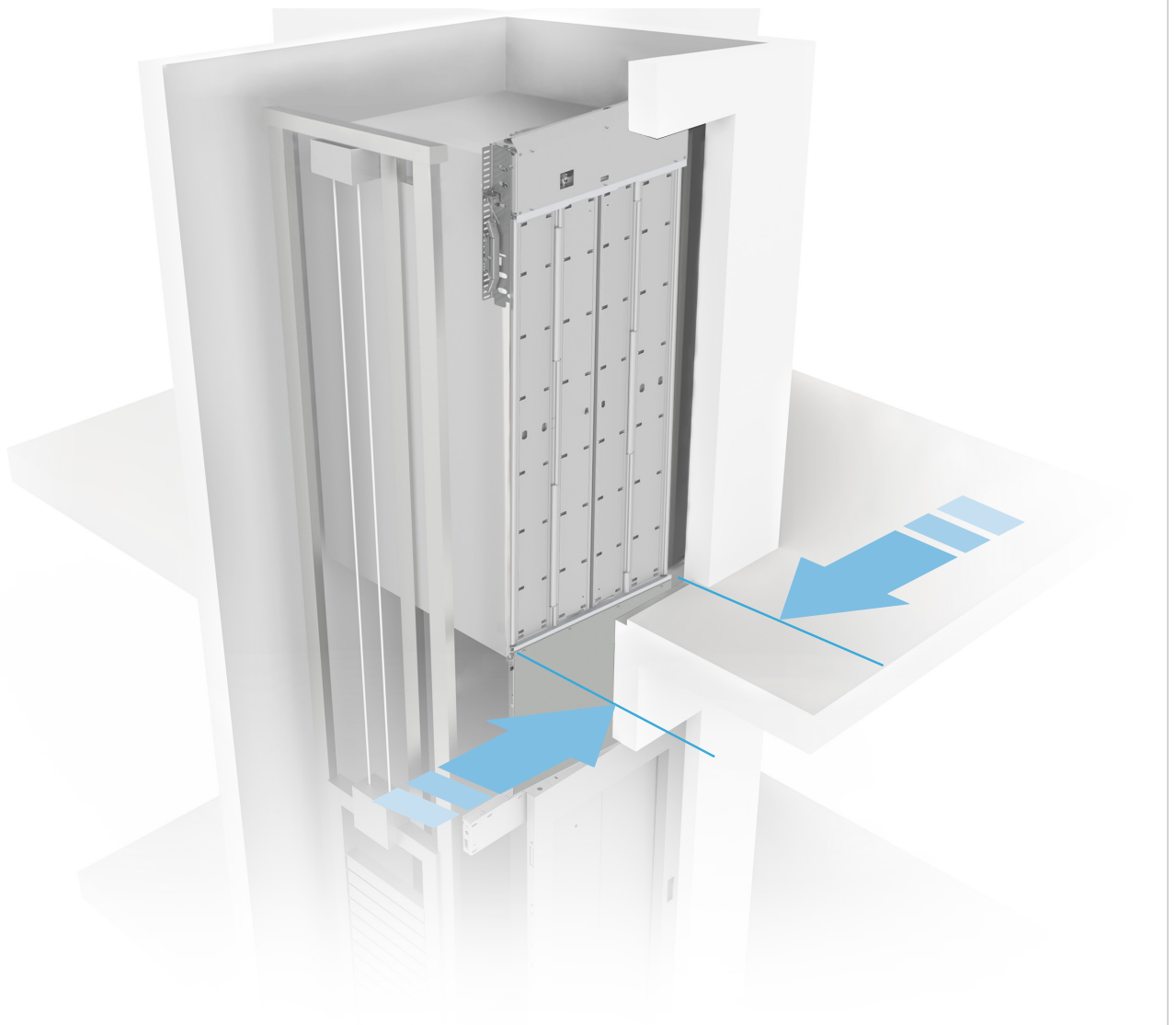
Automatic folding car door



EXISTING INSTALLATION
MODERNIZATIONS AND REPLACEMENT



RESIDENTIAL
LIFTS



Door configuration


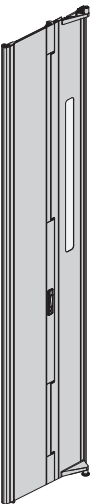



LIFT APPLICATION

Door cycles per year:	Up to 350.000.
Traffic peak of the door:	Up to 180 cycles per hour.
Traffic lift speed:	Up to 2,5 m/s.



APPLICATION RANGE

Opening	Clear opening - PL (mm)	Clear height - HL (mm)
C4	500 ⁽²⁾ - 1.150	1.985 ⁽³⁾ , 2.000, 2.100
² Fermator vision panels range from PL 600. ³ Clear height 1.985 mm for internal cabin height 2.000.		

PANELS

Opening	Global		Fermator		
	Sheet metal	Vision	Sheet metal	Vision	Aluminium glass
					
C4	x	x	✓	✓	✓

SILLS

Type of sills	Aluminium	Reinforced aluminium	Stainless steel	Steel	Massive
Profile detail		-		-	-
Availability	✓	x	x	x	x
Heated sill option	x	x	x	x	x
Dust holes	✓	x	x	x	x
Sill support	✓	x	x	x	x

Available⁽¹⁾. Not available.  Ask the commercial department.

¹ Some option combinations may not be possible.

Door configuration

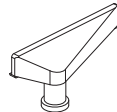
PROTECTION

Opening	IP20 Protection against a solid foreign body of 12,5 mm or more in diameter.	IPX3 Protected against sprays of water up to 60 degrees from the vertical.	IP54 Protection against dust and protected against water splashed from all directions.		IP65 Sealed against dust and protected against jets of water from all directions.	EEx Explosion proof, Group II (surface industries) and Category 2 (explosive atmosphere between 10 and 1.000 hrs/yr).
			Magnetic contacts	Mechanical contacts		
C4	✓	✗	✗	✗	✗	✗

SAFETY DEVICES

Opening	Photocell	Photoelectric barrier	Safety edge	Emergency power supply
C4	✗	✗	✗	✓

PANEL GUIDE

Type of panel guide	Circular	

STANDARDS


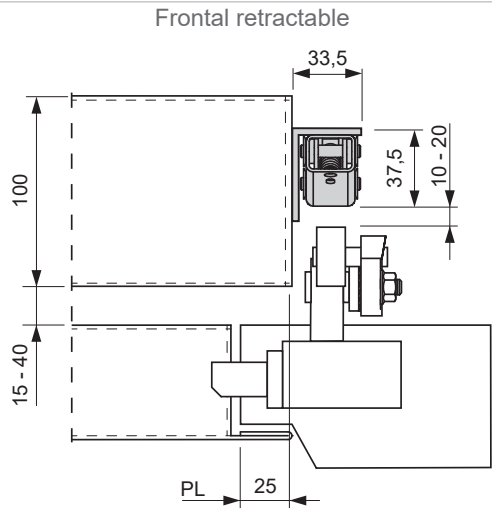
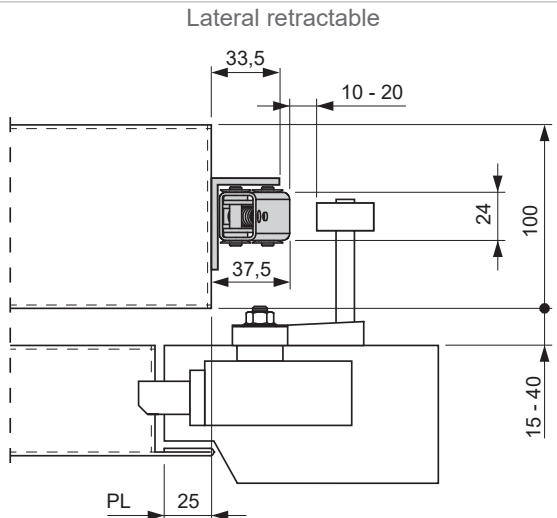
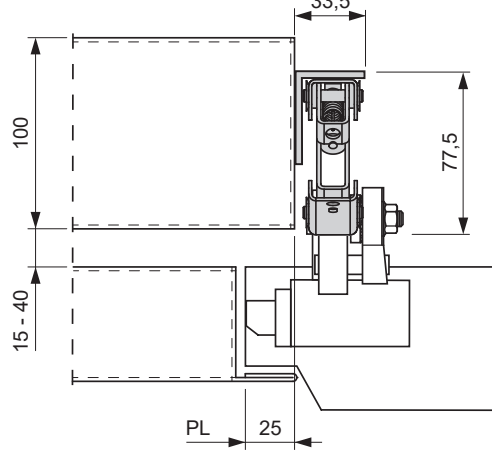
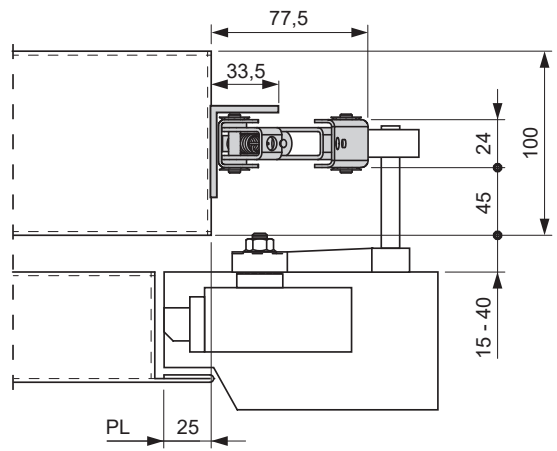
Opening	EN 81-20/50 Safety rules	EN 81-1/2 Safety rules	EN 81-21 Existing buildings	EN 81-28 Remote alarm	EN 81-41 Impaired mobility	EN 81-71 Vandal resistance lifts		EN 81-72 Firefighters lifts
						Cat. I	Cat. II	
C4	✓	✓	✓	✓	✓	✗	✗	✗

Available⁽¹⁾. Not available. Ask the commercial department.

¹ Some option combinations may not be possible.

Door configuration

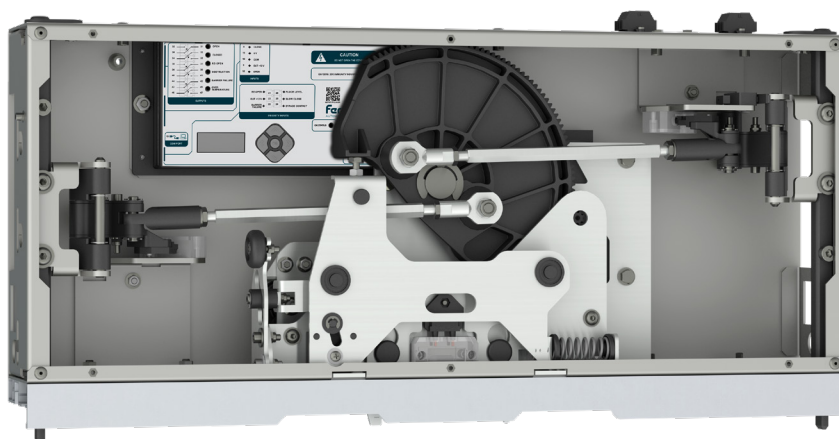
COMPATIBILITY

Cam detail		
Case Coupling	Semiautomatic hinged landing door: Global, B+	
Type of cam	Cams	
	Frontal retractable 	Lateral retractable 
		
Toe guard type	Big	
H	750	
Thickness	1,5	
Range	All	
If not otherwise indicated all dimensions in mm.		

Available⁽¹⁾
 Not available.
 Ask the commercial department.

¹ Some option combinations may not be possible.

Technical features



DRIVE

Type	Brushless permanent-magnet synchronous motor PM10 230 V AC or 24 V DC ⁽⁴⁾ .	Asynchronous motor 24 V DC.
Efficiency	80 %.	
Consumptions	Standby 7,5 W / Average per cycle 44,4 W.	
Transmission	Geared (PL 500 - 1.150).	Gearless (PL 500 - 1.150).

⁴ With Aluminium-Glass panels maximum PL= 900 mm.

ELECTRONIC MODULE

Type Prime	VF5+ Relay	VF7+ Relay.
Type Prime PHL		PHL 24 V or PHL 230 V.
Adjustable parameters via	PC / Console	PC / Display
Working signals available	VF7+: 12 to 60 V DC or 60 to 230 V AC. From 12 V to 240 V V AC/DC.	
Opening speed	Up to 0,6 m/s (Adjustable).	
Closing speed	Up to 0,6 m/s. Auto-adjustable directly with the panel weight.	
Re-opening	Integrated.	

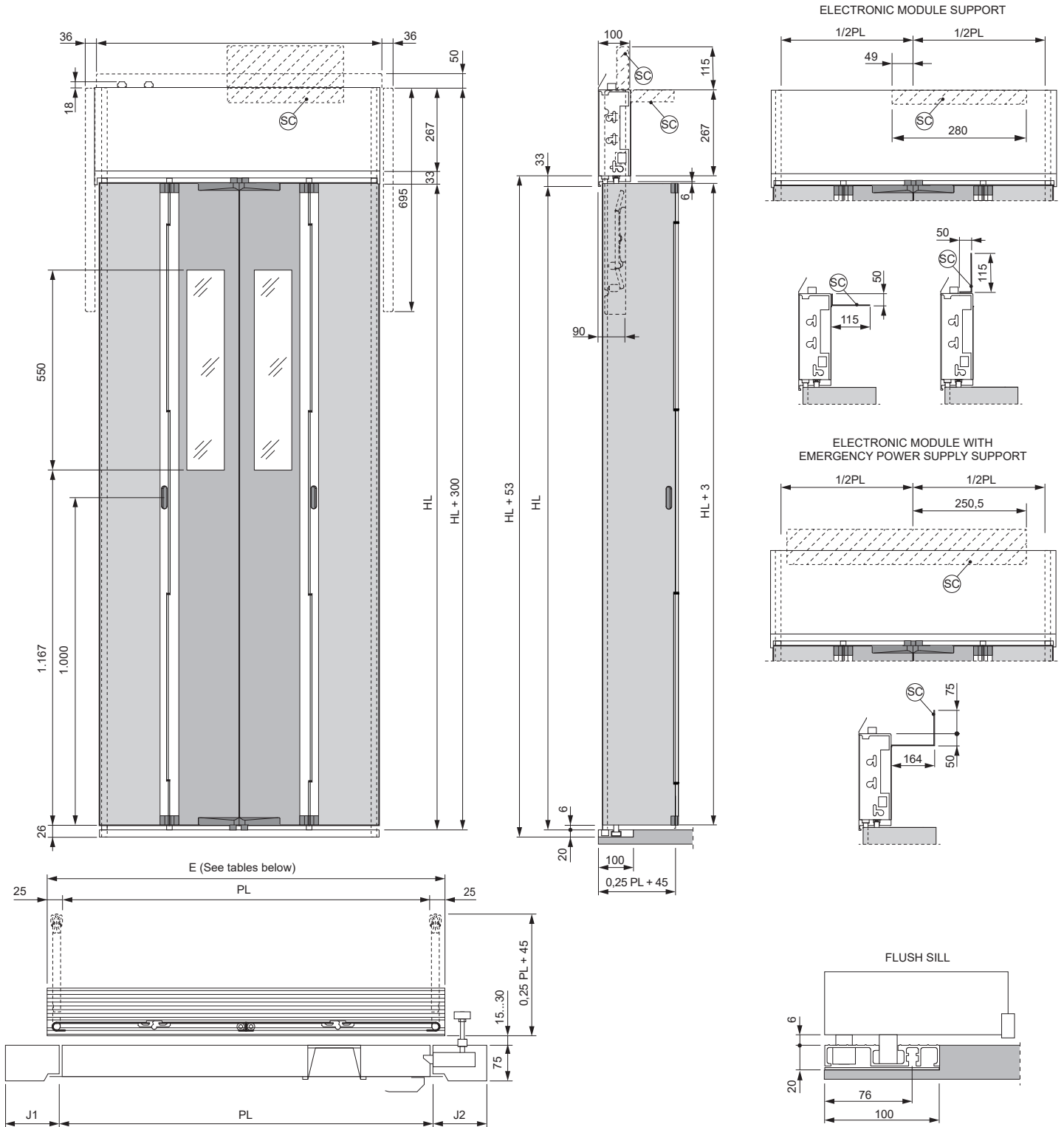
OTHER FEATURES

Total weight	Reference: C4 PL 600 mm - 70 kg.
Locking device	Mechanical cam lock.
	eCDL.

INSTALLATION

Pre-adjusted and tested to simplify the installation.

Technical drawing



Relation between PL and Entrance according to type of panel:

FERMATOR SHEET METAL PANELS

PL	500	550	600	650	700	750	800	850	900	950	1.000	1.050	1.100	1.150
E	550	600	650	700	750	800	850	900	950	1.000	1.050	1.100	1.150	1.200

FERMATOR VISION PANELS

PL	600	650	700	750	800	850	900	950	1.000	1.050	1.100	1.150
E	650	700	750	800	850	900	950	1.000	1.050	1.100	1.150	1.200

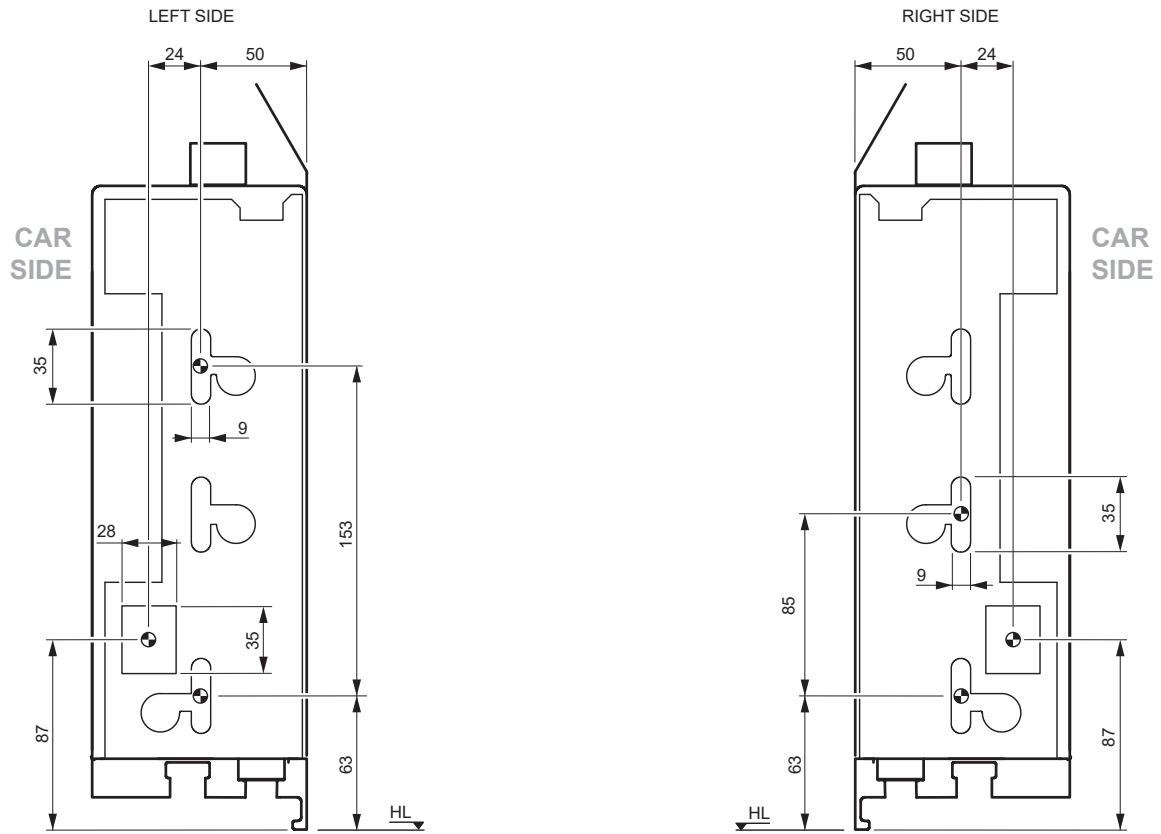
FERMATOR ALUMINIUM GLASS PANELS

PL	500	550	600	650	700	750	800	850	900	950	1.000	1.050	1.100	1.150
E	570	620	670	720	770	820	870	920	970	1.020	1.070	1.120	1.170	1.220

Notes:

- Electronic Module support assembly options.
- E Entrance.
- SC For more information see support configuration section at the end of this technical data sheet.
- J1 - J2 See landing door technical data sheet for available dimensions.
- If not otherwise indicated all dimensions in mm.

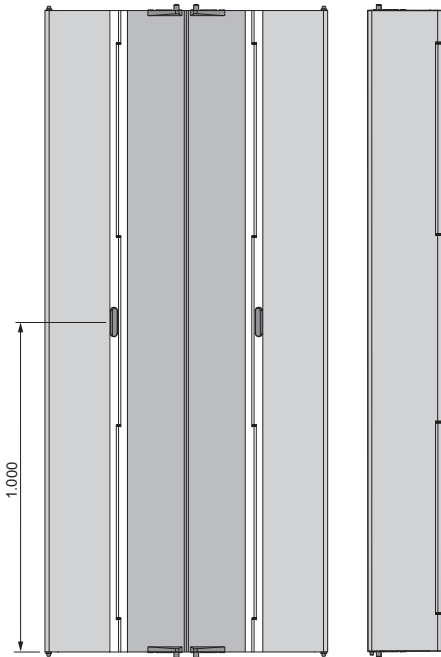
Technical drawing



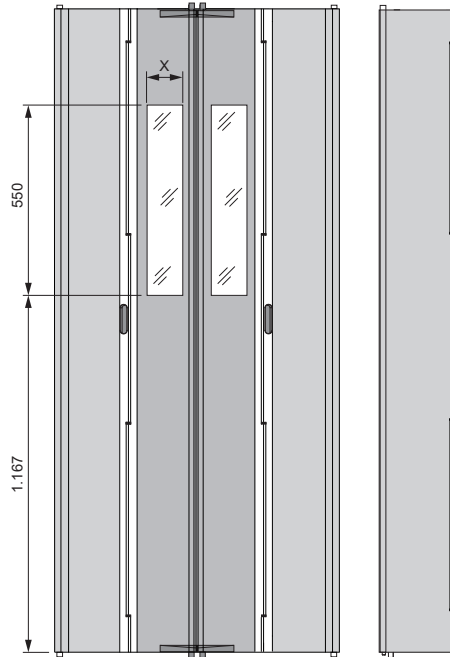
Note:

Special lateral brackets available for modernise other Fermator folding doors.

FERMATOR SHEET METAL PANELS



FERMATOR VISION PANELS



FERMATOR ALUMINIUM GLASS PANELS



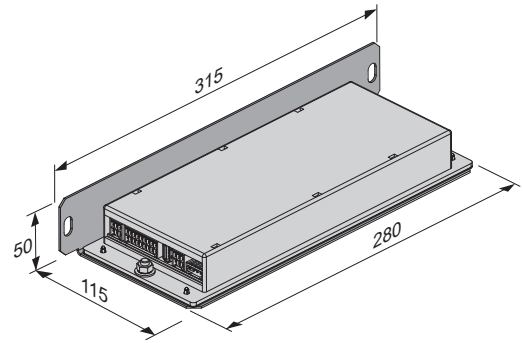
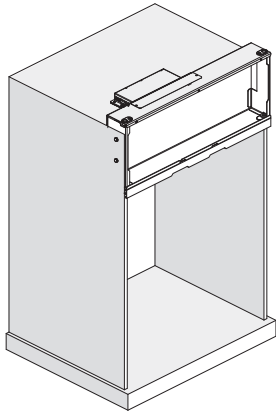
FERMATOR VISION PANELS

PL	600	650	700	750	800	850	900	950	1.000	1.050	1.100	1.150
X	37,5	50	62,5	75	87,5	100	100	100	100	100	100	100

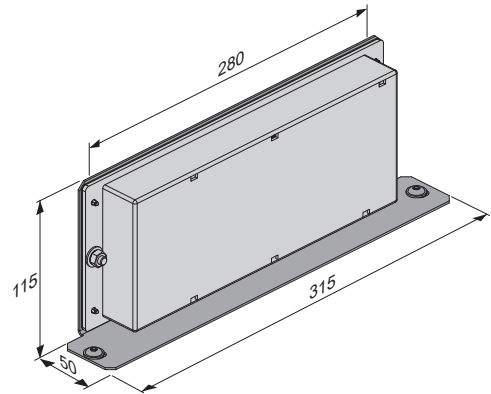
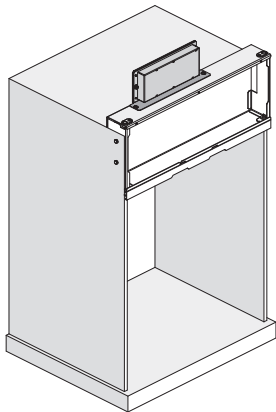
Electronic Module VF7+ support

ASSEMBLY VIEW

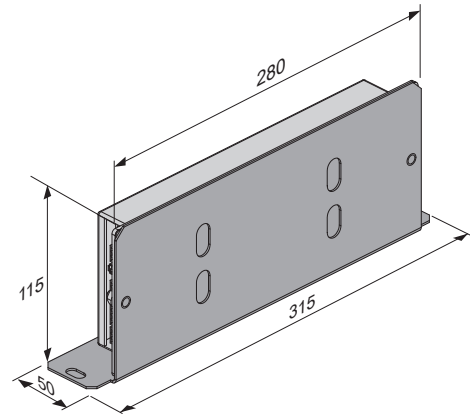
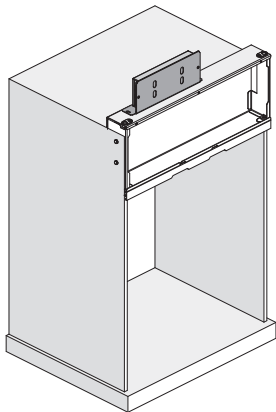
TYPE OF SUPPORT⁽⁵⁾



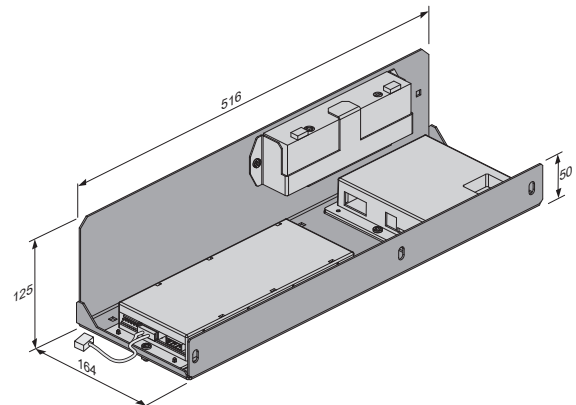
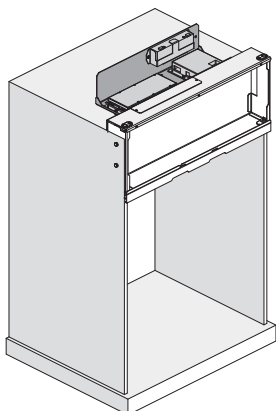
Only Electronic Module in horizontal position



Only Electronic Module in vertical position (facing the landing)



Only Electronic Module in vertical position (facing the car roof)

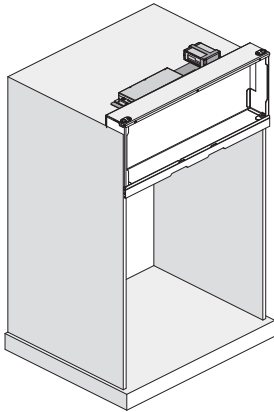


Electronic Module with emergency power supply

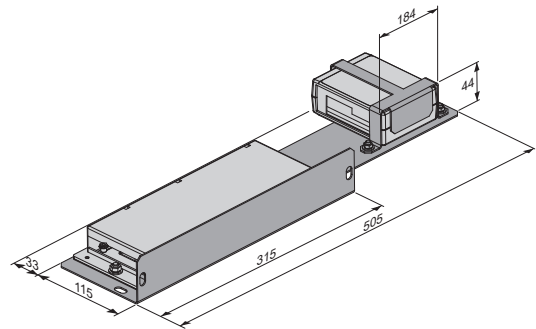
⁵ The external support ensures the easy access to the electronic module.

Electronic Module VF7+ / eCDL support

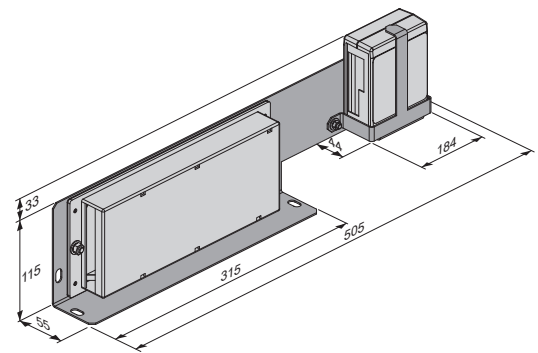
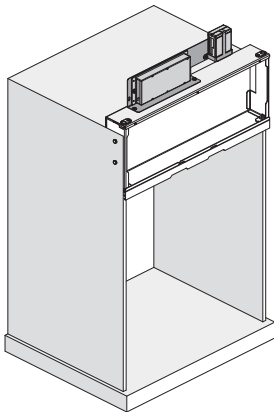
ASSEMBLY VIEW



TYPE OF SUPPORT⁽⁵⁾



Electronic Module and eCDL in horizontal position



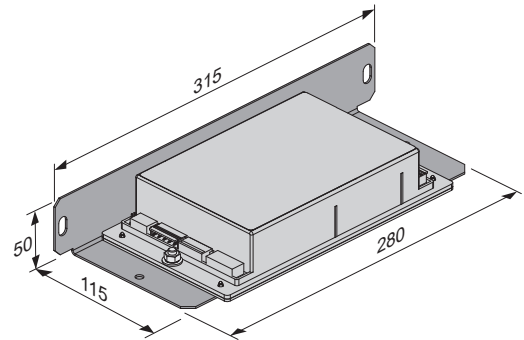
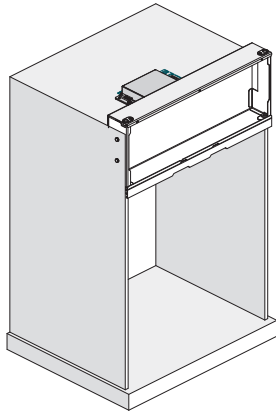
Electronic Module and eCDL in vertical position

⁵ The external support ensures the easy access to the electronic module.

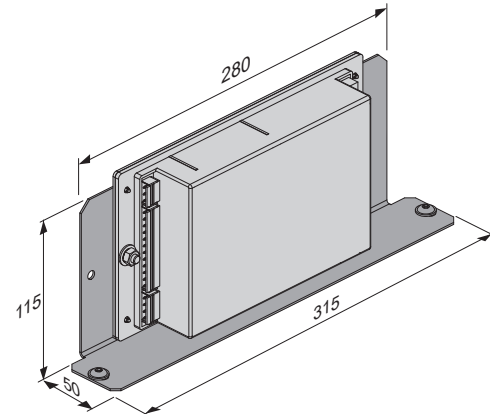
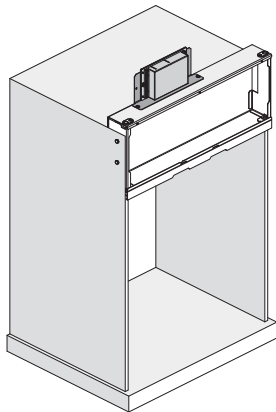
Electronic Module PHL support

ASSEMBLY VIEW

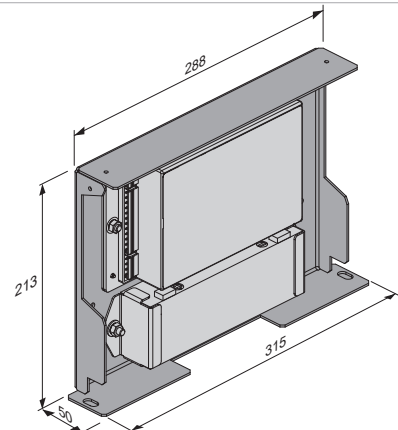
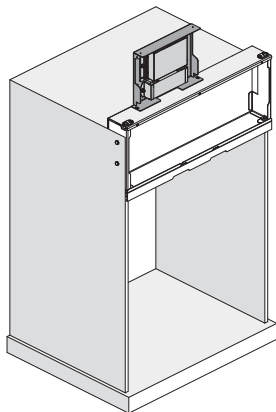
TYPE OF SUPPORT⁽⁵⁾



Only Electronic Module in horizontal position



Only Electronic Module in vertical position



Electronic Module with battery

⁵ The external support ensures the easy access to the electronic module.

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AUTOMATIC DOORS FOR LIFTS



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