

40/10 PM

Automatic horizontal sliding car door



Door configuration

LIFT APPLICATION

Door cycles per year:	Up to 800.000.
Traffic peak of the door:	Up to 240 cycles per hour.
Traffic lift speed:	Up to 2,5 m/s.

APPLICATION RANGE

Opening	Clear opening - PL (mm)	Clear height - HL (mm)
T2 T3 - C2 - C4	600 - 1.400	1.800 - 2.400

PANELS

Opening	Steel panels					Glass panels				
	Sheet metal	Double skin	Vision	Fritted vision	Wien type vision	Bevel big vision	Flush big vision	Full glass in skirting	Full glass in moorings	Aluminium glass
										
C2 - C4 - T2 - T3	✓	✓	✓(2)(3)	✗	✓	✓	✓	✓	✗	✓

(2) Option 1: only in fast for side opening doors and in closing panels for centre parting doors.
(3) Option 2: All panels of the door both side opening and centre parting doors.

SILLS

Type of sill	Aluminium	Reinforced aluminium	Steel	Steel concealed	Massive
Profile detail					
Availability	✓	✓	✓	✗	✓
Heated sill option	✓	✓(4)	✓	✗	✗
Dust holes	✓	✓	✓	✗	✓
Sill support	✓	✓	✓	✗	✓

(4) Not available for C2

STANDARDS

Opening	EN 81-1/2 Safety rules	EN 81-21 Existing buildings	EN 81-41 Impaired mobility	EN 81-71 ⁽⁵⁾ Vandal resistance lifts		EN 81-72 Firefighters lifts	EN 81-20/50 Safety rules
				Cat. I	Cat. II		
C2 - C4 - T2 - T3	✓	✓	✓	✓	✓	✓	✓

(5) Not available for T2 70 mm sill

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 contact	Mechanical contact		
C2 - C4 - T2 - T3	✓	✓	✗	✓	✗	✗

SAFETY DEVICES

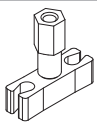
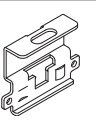
Opening	Photocell	Photoelectric barrier		Safety edge	Emergency power supply		
		Static	Dynamic		VF5+	VF6	VF7
C2 - C4 - T2 - T3	✓	✓	✓	✗	✓	✗	✓

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

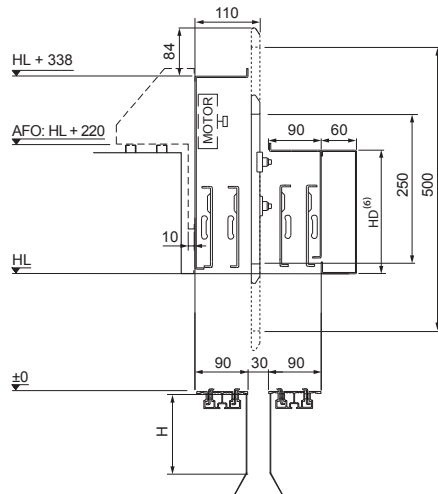
⁽¹⁾Some option combinations may not be possible.

Door configuration

PANEL REGULATION SUPPORT AND PANEL GUIDE

Type of panel regulation support	Plus		
Type of panel guide	Plus	EN 81-1/2 	EN 81-20/50 

COMPATIBILITY



Case	40/10 landing door	
Coupling	Symmetrical clutch	Pre-opening symmetrical clutch
Unlocking zone	+98 / -152	+228 / -273
Toe guard type	Big	
H	750	
Thickness	1,5	
Range	All	

(6) See 40/10 technical data sheet for more information.
T2 opening shown.
If not otherwise indicated all dimensions in mm.

CAMS

Compatibility	Semiautomatic hinged landing door: Aluminium - Glass, Global, Fermator, B+				
Type of cam	Frontal retractable	Lateral retractable	Inverted retractable	Flexible fixed	Fixed
Cam detail					

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

⁽¹⁾Some option combinations may not be possible.

Technical features



T2 operator

DRIVE



Type	Synchronous brushless permanent magnets motor.			
Efficiency	80%.			
Consumptions	Standby 4 W / Average per cycle 20 W.			
Transmission	Gearless ⁽⁸⁾ .	C2, C4, T3 PL 600 - 1.400 mm.		HTD 5M belt.
		T2 PL 600 - 1.400 mm.		
(8) Geared antibanging system available.				

ELECTRONIC MODULE

Type	VF5+ and VF6.	VF7+ Relay and VF7+ CAN
Adjustable parameters via	PC / Console.	PC / Display.
Working signals available	From 12 V to 60 V DC / 100 to 230 AC or with BUS CAN (Only VF6).	
Opening speed	Up to 0,7 m/s (Regulable).	
Closing speed	Up to 0,4 m/s. Auto-adjusted directly with the panel weight.	
Re-opening	Integrated with auto-adjustable cycles.	

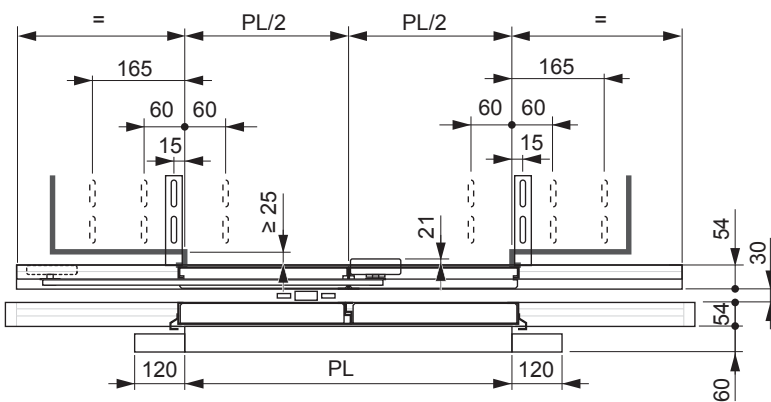
GENERAL FEATURES

Noise level	< 50 dB.
Total weight	Reference: T2 PL 800 mm HL 2.000 mm, with sheet metal panels - 62 kg.
Maximum moving mass	360 kg.
Locking device	Car door lock.

INSTALLATION

Pre-adjusted and tested to simplify the installation.
Frontal concept, all parts within the sill projection, allows fixing directly to the front or by regulable range of brackets.

54 mm sill



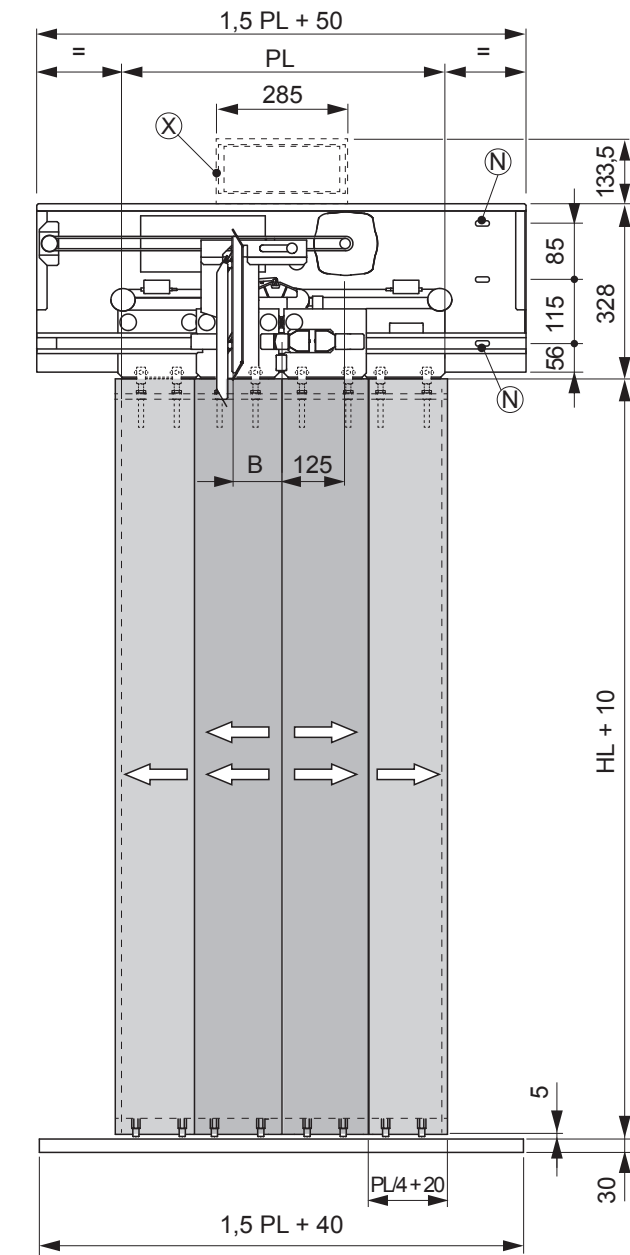
SILL DETAIL

THICKNESS
$PL \leq 700 = 3$
$PL \geq 750 = 2,5$

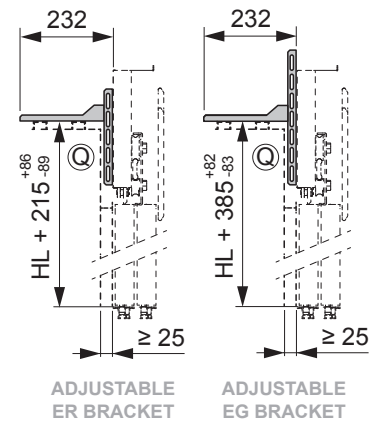
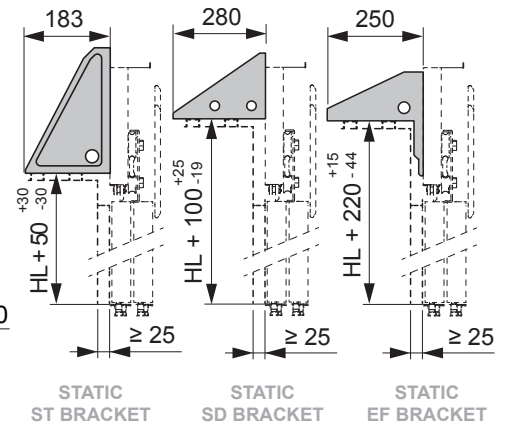
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Technical drawing 4 panel centre parting door

90 mm sill
Single coupling system (PL 600 - 1.150)

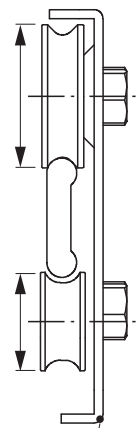
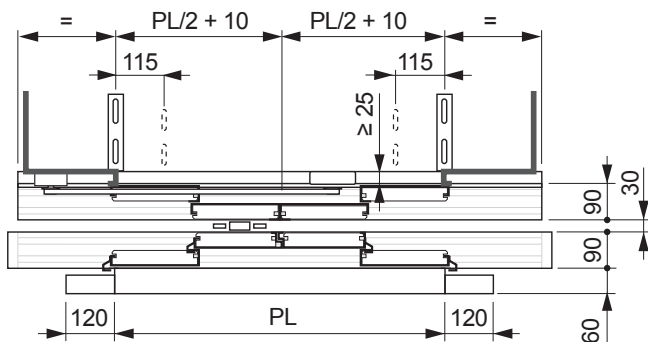


FIXING BRACKET RANGE



MECHANICAL DETAILS

SILL DETAIL

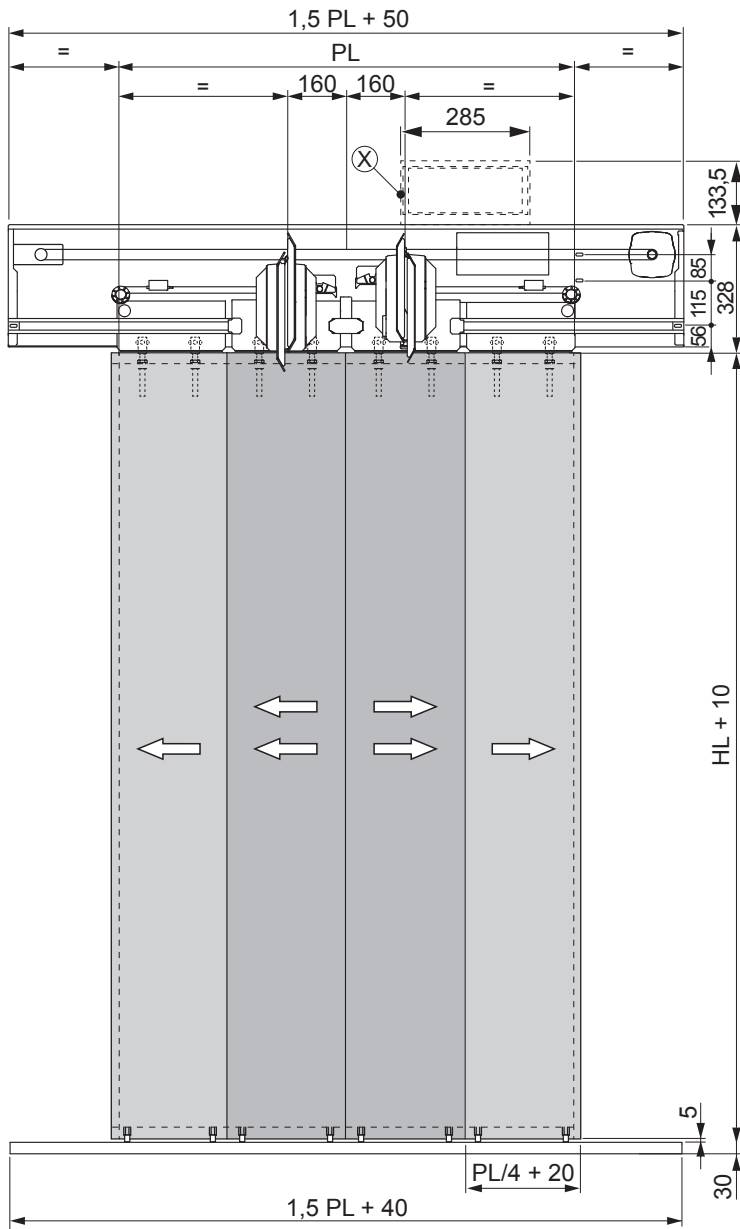


THICKNESS
$PL \leq 700 = 3$
$PL \geq 750 = 2,5$

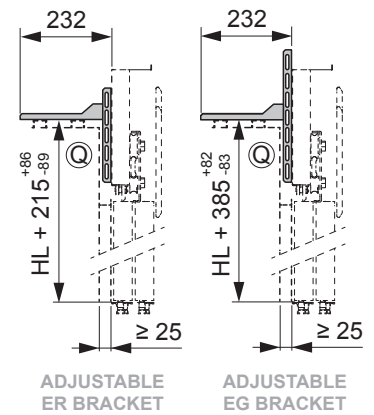
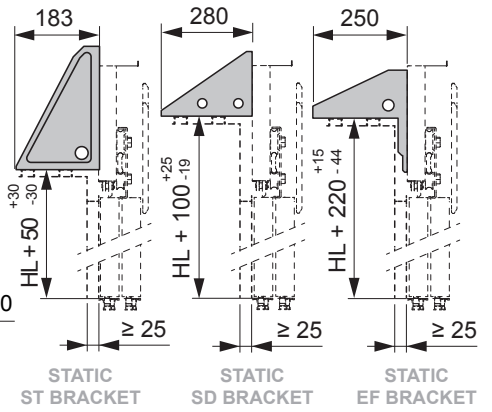
Notes:
N Recommended vertical fixing point for brackets.
B For $PL \leq 900 = 100$. For $PL \geq 950 = 160$.
Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
X Module electronic assembly position available for every PL.
- If not otherwise indicated all dimensions in mm.

Technical drawing 4 panel centre parting door

90 mm sill
Double coupling system (PL 1.200 - 1.400)

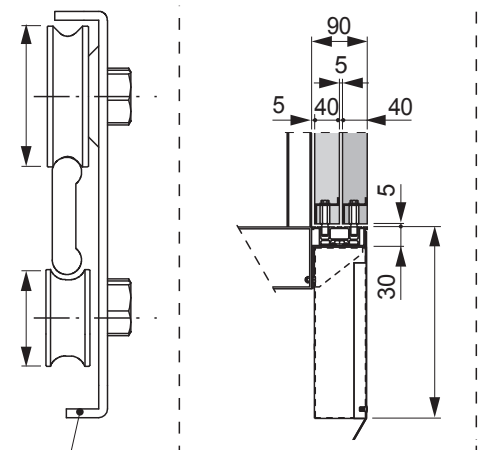
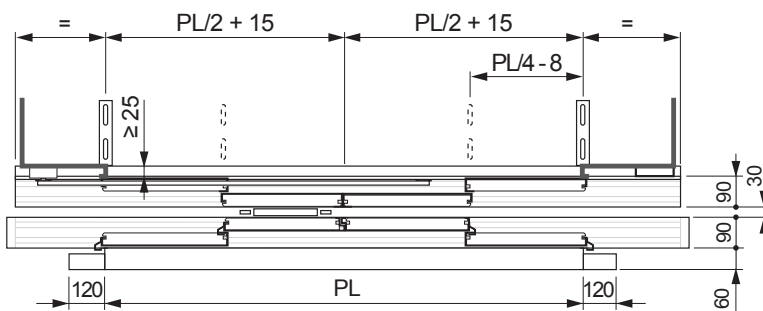


FIXING BRACKET RANGE



MECHANICAL DETAILS

SILL DETAIL

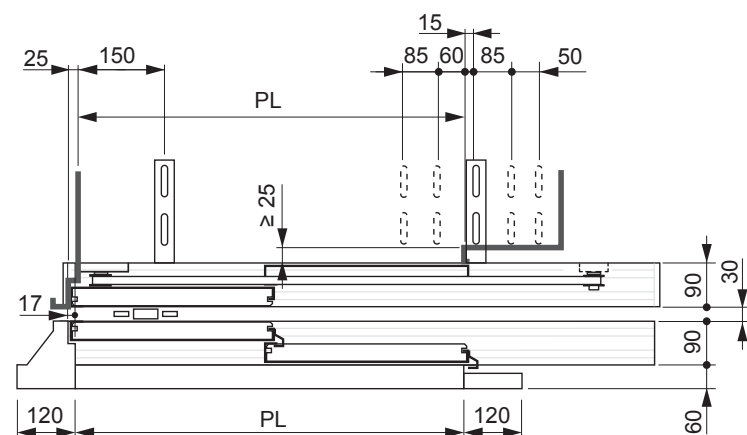


THICKNESS
$PL \leq 700 = 3$
$PL \geq 750 = 2,5$

Notes:

- N Recommended vertical fixing point for brackets.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- X Module electronic assembly position available for every PL.
- If not otherwise indicated all dimensions in mm.

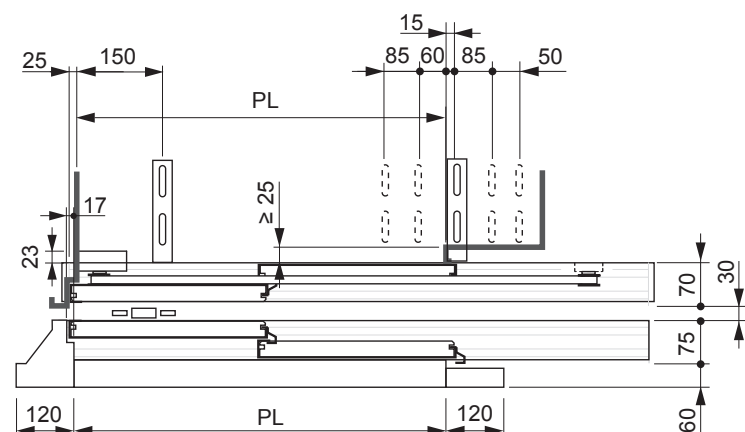
90 mm sill



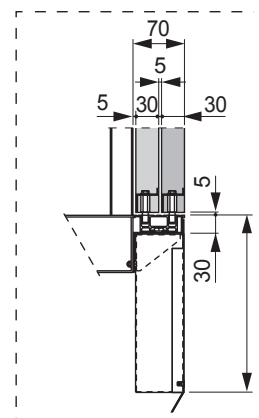
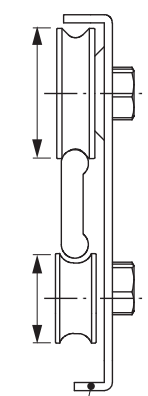
N Recommended vertical fixing point for brackets.
Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
X Module electronic assembly position available for every PL.
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70 mm sill



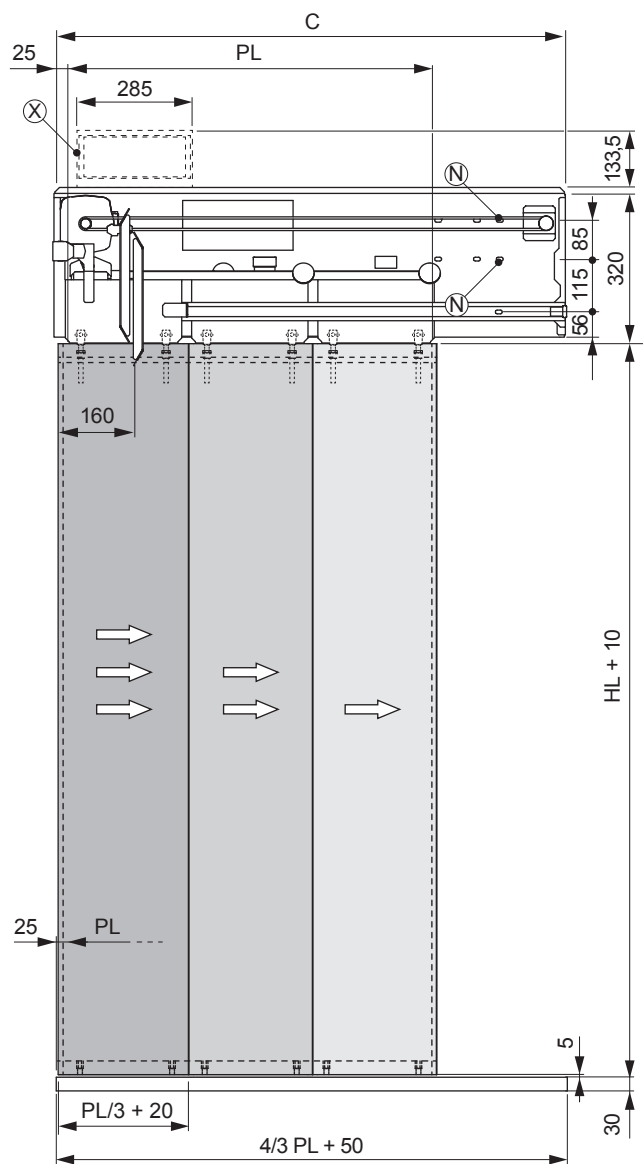
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Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
X Module electronic assembly position available for every PL.
- If not otherwise indicated all dimensions in mm.



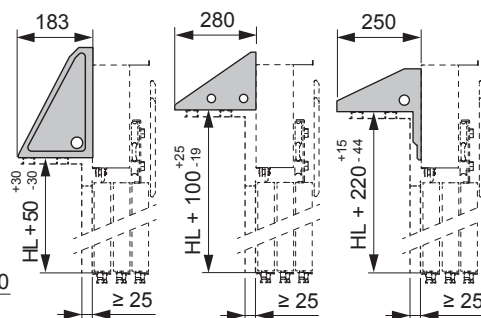
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Technical drawing 3 panel side opening door

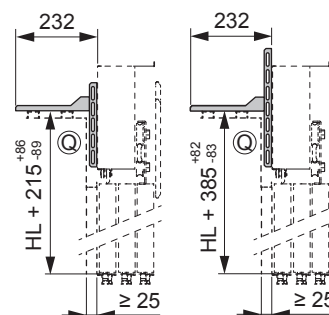
135 mm sill



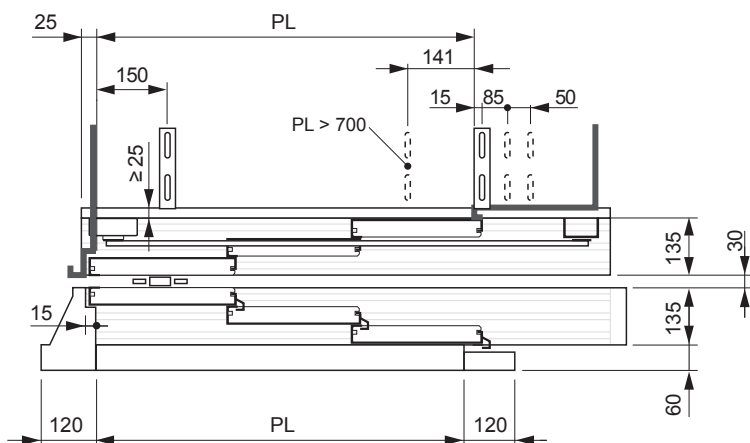
FIXING BRACKET RANGE



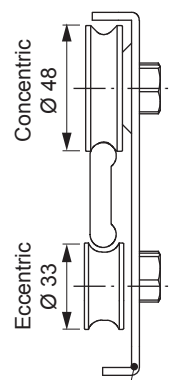
STATIC ST BRACKET STATIC SD BRACKET STATIC EF BRACKET



ADJUSTABLE ER BRACKET ADJUSTABLE EG BRACKET

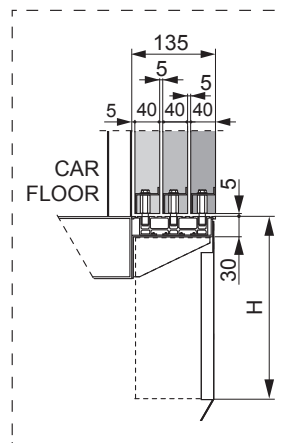


MECHANICAL DETAILS



THICKNESS
PL ≤ 700 = 3
PL ≥ 750 = 2,5

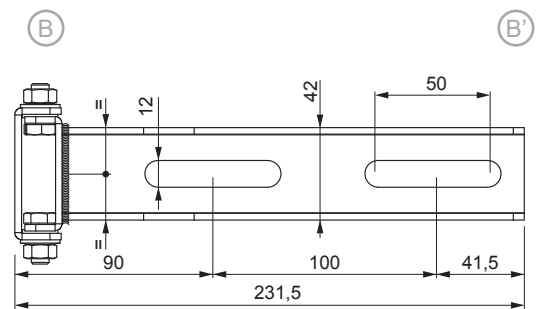
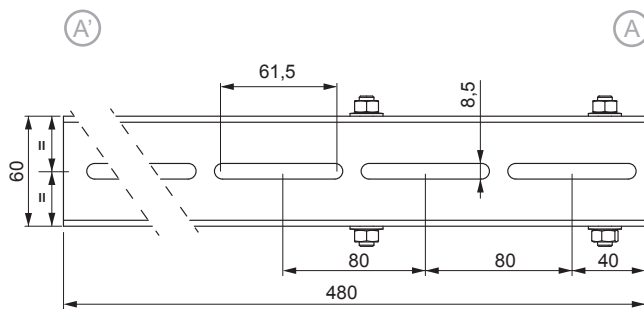
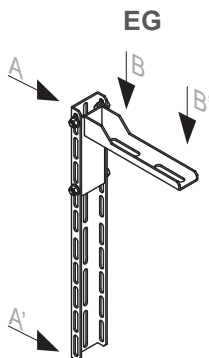
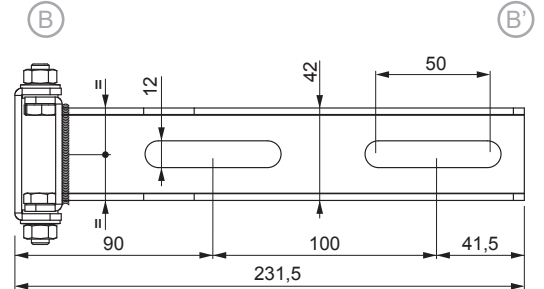
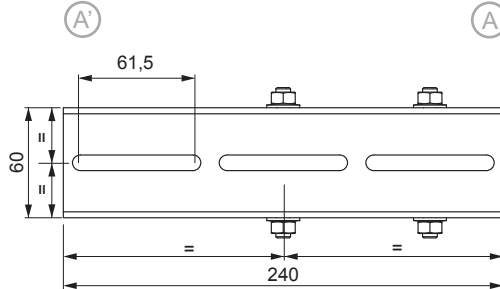
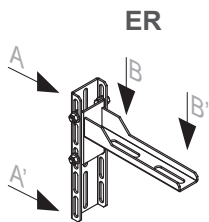
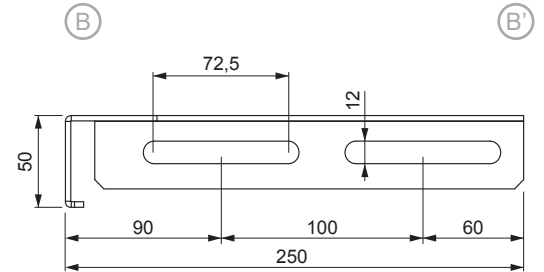
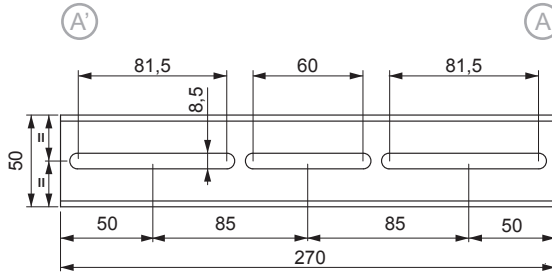
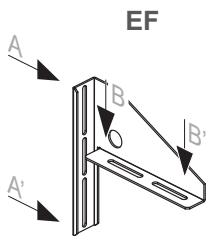
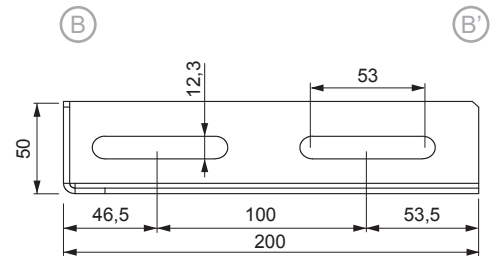
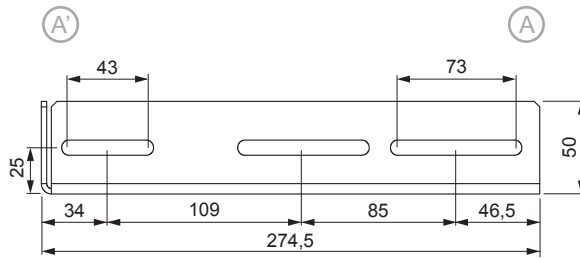
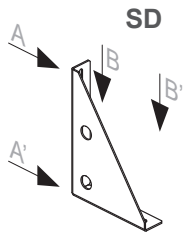
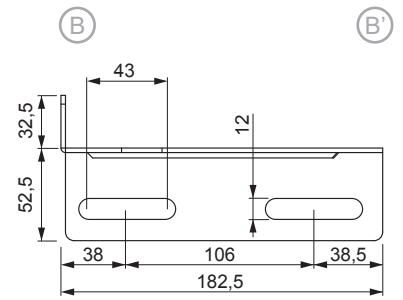
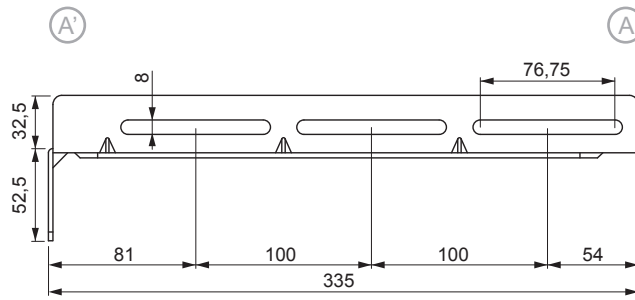
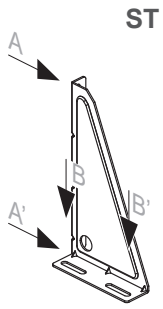
SILL DETAIL



Notes:

- N Recommended vertical fixing point for brackets.
- Q In cases of extreme lower regulation, we recommend to add an extra fixing point to the car front.
- X Module electronic assembly position available for every PL.
- * PL: 600 - 700 = PL + 295 mm.
- If not otherwise indicated all dimensions in mm.

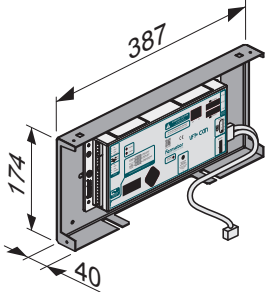
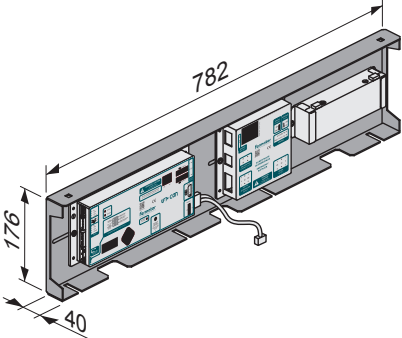
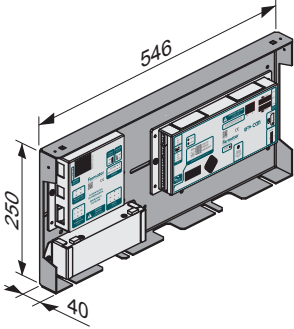
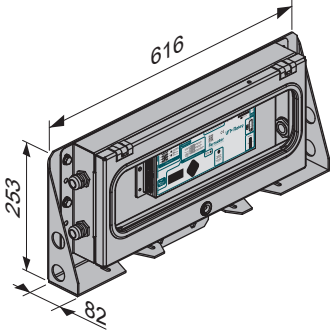
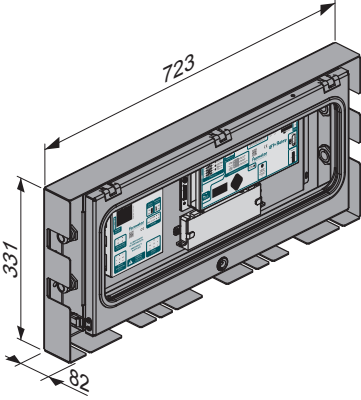
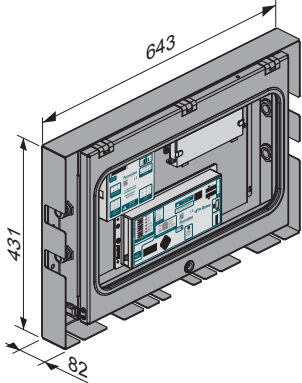
Operator fixing bracket



fermator
AUTOMATIC DOORS FOR LIFTS

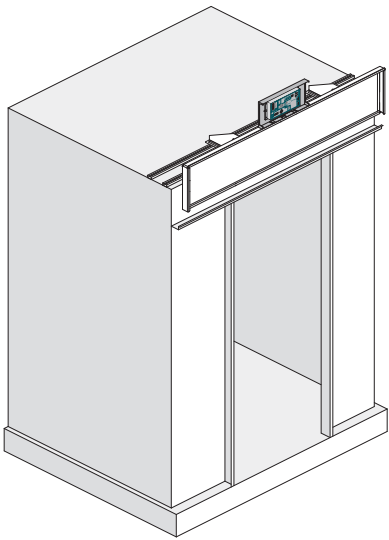
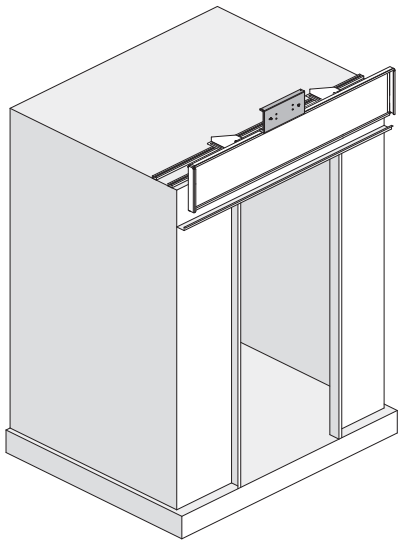
Electronic module support

TYPES OF SUPPORT⁶

	Only VF circuit	VF circuit with emergency power supply for PL ≥ 800	VF circuit with emergency power supply for PL < 800
Standard execution			
IP54 execution			

⁶ The external support ensures the easy access to the VF circuit controls within the PL.

ASSEMBLY OPTIONS

	
Faced to the landing.	Faced to the car roof.

The type of support shown it is only a example, the assembly options are available for any type of support.



Sales contacts

General

info@fermator.com

Manufacturing companies

Brazil: info.br@fermator.com • China: info.cn@fermator.com • France: info.hp@fermator.com • India: info.in@fermator.com
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