

PREMIUM

Automatic horizontal sliding landing door



Door configuration

LIFT APPLICATION



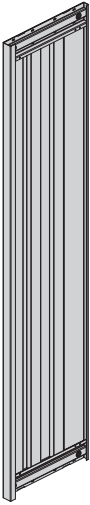
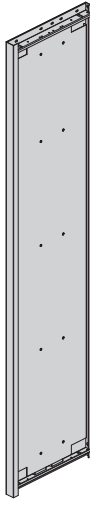
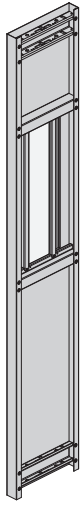
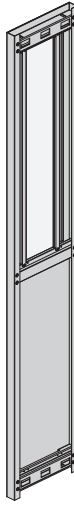
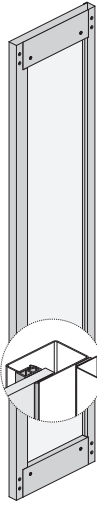
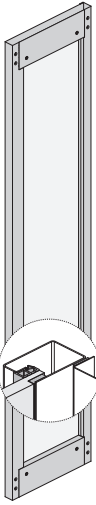
Door cycles per year:	Up to 2.500.000.
Maximum cycle rate of the door:	Up to 360 cycles per hour.
Maximum lift speed:	Up to 6 m/s.

APPLICATION RANGE

Opening	Clear opening - PL (mm)			Clear height - HL (mm)		
	Steel panels	Glass panels except full glass in moorings	Full glass in moorings	Steel panels	Glass panels except full glass in moorings	Full glass in moorings
C2	700 - 2.400	700 - 2.400	700 - 2.400	2.000 - 3.000	2.000 - 2.400	2.000 - 2.100
C4 ⁽²⁾	900 - 2.800	900 - 1.700	1.200 - 1.700			
C6 ⁽²⁾	1.600 - 3.000	-	-			
T1	600 - 1.200	600 - 1.200	600 - 1.200	2.000 - 3.000	2.000 - 2.400	2.000 - 2.100
T2	700 - 1.600	700 - 1.600	700 - 1.600			
T3 ⁽²⁾	700 - 2.000	700 - 1.700	1.000 - 1.700			

² Some ranges combinations may not be possible. Ask the commercial department further information.

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
									
C2 - C4 - C6 T1 - T2 - T3	F.R.E120 ⁽³⁾ F.R. EI30 ⁽³⁾ F.R. EI60 ⁽³⁾ F.R. EI120 ⁽³⁾ F.R. EW30 ⁽³⁾ F.R. EW60 ⁽³⁾	F.R. E120 ⁽³⁾ F.R. EW60	F.R. E120	x	x	F.R. E120 F.R. EI30	NO F.R. F.R.E60 F.R.E120 F.R.EI30	NO F.R.	NO F.R.

³ Execution with smoke seal protection available.
F.R.: Fire rated according to EN 81-58.
For options not shown ask the commercial department.

Anti-trapping safety device option

C2 - C4 - C6 T1 - T2 - T3	x	x	x	x	x	x	x	x	x
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☒ Available⁽¹⁾ ☐ Not available. ☐ Ask the commercial department.

¹ Some option combinations may not be possible.

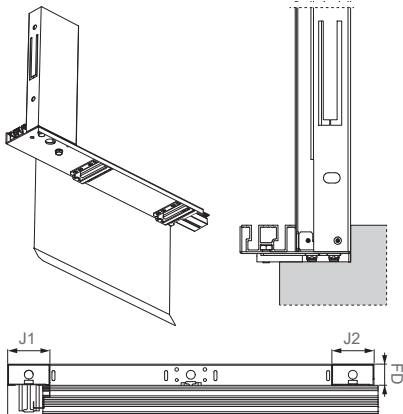
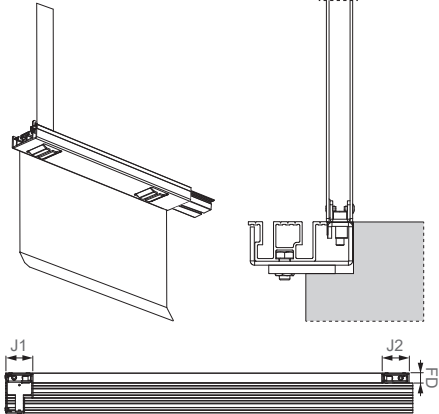
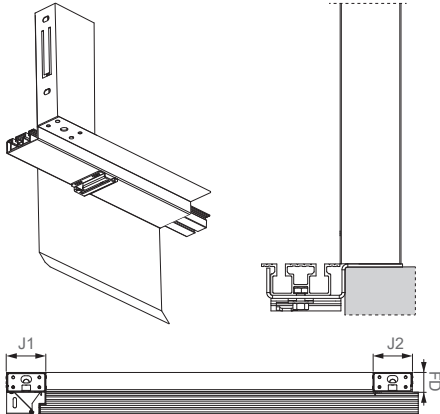
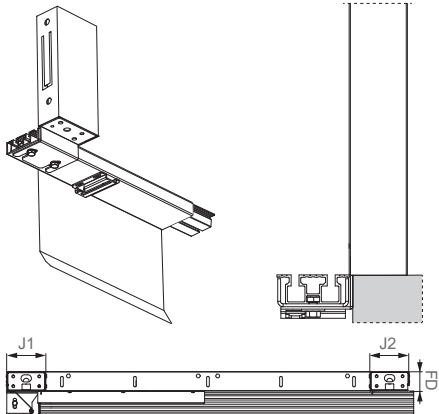
Door configuration

FRAMES DEFINITION

Frame depth - FD (mm)	Jamb J1 (mm)	Header - HD (mm)	Jamb J2 (mm)	Remarks	Frame type				Options			
					STD	MSS MV	MSS MH	Concealed	Lateral covers	Without extra-stroke	MRL	Without lateral punching
20	55	210	55	-	x	x	x	✓	x	x	x	x
25	120	210	120	-	✓	x	x	x	x	x	x	x
50	50	65	50	Only chinese market.	✓	x	x	x	x	x	x	x
	70	80	70	-	✓	x	x	x	x	x	x	x
60	120	210	120	-	✓	✓	✓	x	✓	x	x	✓
	80	80	80	-	✓	x	x	x	✓	x	x	✓
	80	210	80	-	✓	x	x	x	✓	x	x	✓
	100	≥210 + Δ10	100	-	✓	x	x	x	✓	x	x	✓
	100		≥120 + Δ10	-	✓	x	x	x	✓	x	x	✓
	≥120 + Δ10		100	-	✓	x	x	x	✓	x	x	✓
	>120 + Δ10		>120 + Δ10	-	✓	✓	✓	x	✓	x	x	✓
	>120 + Δ10	210	>120 + Δ10	-	✓	x	x	x	✓	x	x	✓

MSS MV: Frame without sill supplement with visible sill support.
MSS MH: Frame without sill supplement with concealed sill support.
Without extra-stroke: Closing jamb without labyrinth.
MRL: Jamb ready for lift control cabinet in machine roomless installations.

FRAMES DETAIL

Frame detail	Frame type	
	STD	Concealed
		
	MSS MV	MSS MH
		

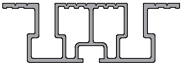
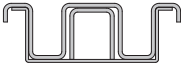
MSS MV: Frame without sill supplement with visible sill support.
MSS MH: Frame without sill supplement with concealed sill support.

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

¹ Some option combinations may not be possible.

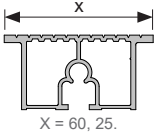
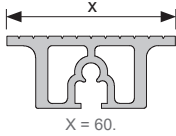
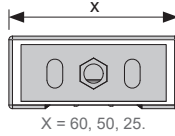
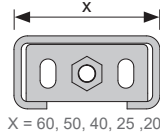
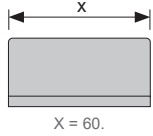
Door configuration

SILLS

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

⁴ Not available for C2 and T1.

SILL SUPPLEMENTS

Type of supplement	Aluminium	Reinforced aluminium	Steel	Reinforced steel	Massive
Profile detail	 X = 60, 25.	 X = 60.	 X = 60, 50, 25.	 X = 60, 50, 40, 25, 20.	 X = 60.
Availability	✓	✓	✓	✓	✓

STANDARDS

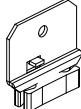
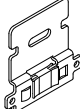
Opening	EN 81-20/50 Safety rules	EN 81-1/2 Safety rules	EN 81-21 Existing buildings	EN 81-41 Impaired mobility ⁽⁵⁾	EN 81-71 Vandal resistant lifts		EN 81-72 Firefighting lifts	EN 81-77 Lifts subject to seismic			ПБ 10-558-03 Safety rules
					Cat. I	Cat. II		Cat. I	Cat. II	Cat. III	
C2 - C4 - C6 T1 - T2 - T3	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓

⁵ Only for T2 - C2 - C4.

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 debris and protected against water splashed from all directions.		IP65 Sealed against debris 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 - C6 T1 - T2 - T3	✓	✗	✓	✗	✓	✗

PANEL REGULATION SUPPORT AND PANEL GUIDE

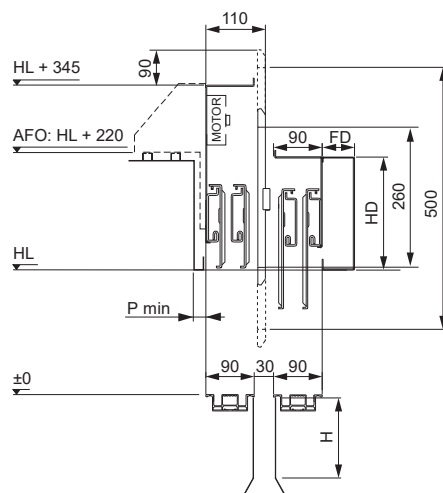
Type of panel regulation support	Direct fastening		
Type of panel guide	Plus	EN 81-1/2	EN 81-20/50
			

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

¹ Some option combinations may not be possible.

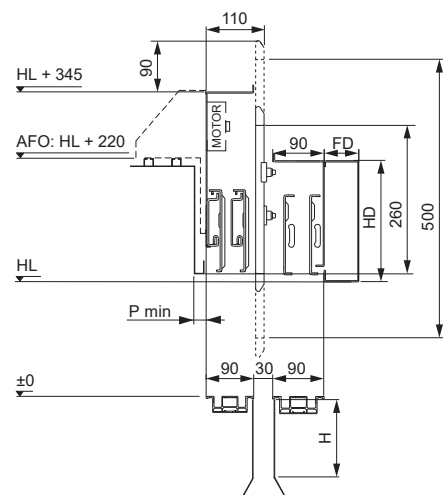
Door configuration

COMPATIBILITY



Case	Premium PM car door	
Coupling	Asymmetrical clutch	Pre-opening asymmetrical clutch
Unlocking zone	+102 / -148	+232 / -269
Toe guard type	Standard	Standard
H	265	395
Thickness	1	1
Range	All	All

Pmin ≥ 25.
T2 opening shown.
FD 25 / 50 / 60.
HD 80 / 210.
If not otherwise indicated all dimensions in mm.



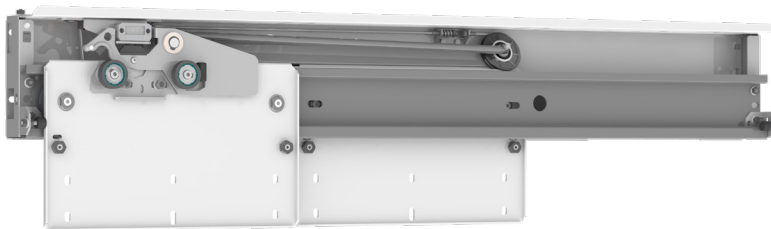
Case	40/10 PM car door	
Coupling	Asymmetrical clutch	Pre-opening asymmetrical clutch
Unlocking zone	+114 / -136	+244 / -257
Toe guard type	Standard	Standard
H	265	395
Thickness	1	1
Range	All	All

Pmin ≥ 25.
T2 opening shown.
FD 25 / 50 / 60.
HD 80 / 210.
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



T2 mechanism

GENERAL FEATURES

Noise level	< 48 dB.
Total weight	Reference: T2 PL 800 mm HL 2.000 mm 120 x 60 mm frame, with sheet metal panels - 84 kg.

SAFETY CLOSING

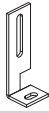
Opening	PL	HL	Available System	Units
C2	700 - 1.200	2.000 - 2.400	Spring	1
	1.200 - 2.400	2.000 - 3.000	Counterweight	1
C4	900 - 1.150	2.000 - 2.400	Spring	1
	1.200 - 2.400	2.000 - 2.400	Spring	2
	2.400 - 2.800	2.000 - 3.000	Counterweight	2
C6	1.600 - 3.000	2.000 - 3.000	Counterweight	2
T1	600 - 1.200	2.000 - 2.400	Counterweight	1
T2	700 - 1.200	2.000 - 2.400	Spring	1
	1.200 - 1.600	2.000 - 3.000	Counterweight	1
T3	700 - 1.200	2.000 - 2.400	Spring	1
	1.200 - 2.000	2.000 - 3.000	Counterweight	1

INSTALLATION

Pre-adjusted and tested to simplify the installation.

DOOR HOISTWAY PROJECTION (DHP) - FIXING BRACKETS

DHP type	C2			C4			C6			T1			T2			T3		
	DHP ⁽⁶⁾ (mm)	Bracket		DHP ⁽⁶⁾ (mm)	Bracket		DHP ⁽⁶⁾ (mm)	Bracket		DHP ⁽⁶⁾ (mm)	Bracket		DHP ⁽⁶⁾ (mm)	Bracket		DHP ⁽⁶⁾ (mm)	Bracket	
		Ⓐ	Ⓑ		Ⓐ	Ⓑ		Ⓐ	Ⓑ		Ⓐ	Ⓑ		Ⓐ	Ⓑ			
1	0 - 31	X	A	0 - 38	X	A	0 - 32	D		0 - 31	X	A	0 - 38	X	A	0 - 32	D	
2a	-	-		39 - 89	W		33 - 139	D		-	-		39 - 89	W		33 - 139	D	
2b	32 - 93	W		90 - 139	D		140 - 179	V2		32 - 93	W		90 - 139	D		140 - 179	V2	
3	94 - 110	V8		140 - 150	V2		180 - 195	V7		94 - 124	V8		140 - 150	V2		180 - 195	V7	
4	111-124	V5		-	-		-	-		-	-		-	-		-	-	

Bracket type	A	D	V2	V5	V7	V8	X	W
								
Thickness (mm)	5	5	4	4	4	4	5	5

⁶ See DHP dimension in sill detail (technical drawings pages).

UPPER FASTENING BRACKET QUANTITY⁽⁷⁾

Opening	PL							
	600	1.200	1.500	1.650	1.750	1.800	2.050	2.400
C2	1.150	1.450	1.600	1.700		2.000	2.350	3.000
C4								
C6	2	4				6		8
T1								
T2								
T3		3			4			5

⁷ With Infill Panel: C2/C4/C6 +2, T1/T2/T3 +1

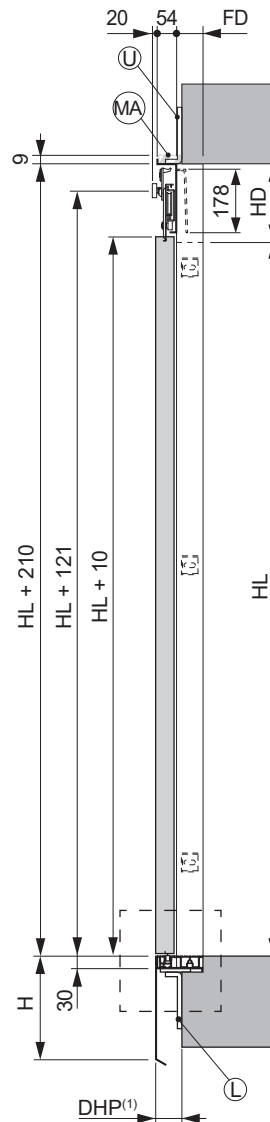
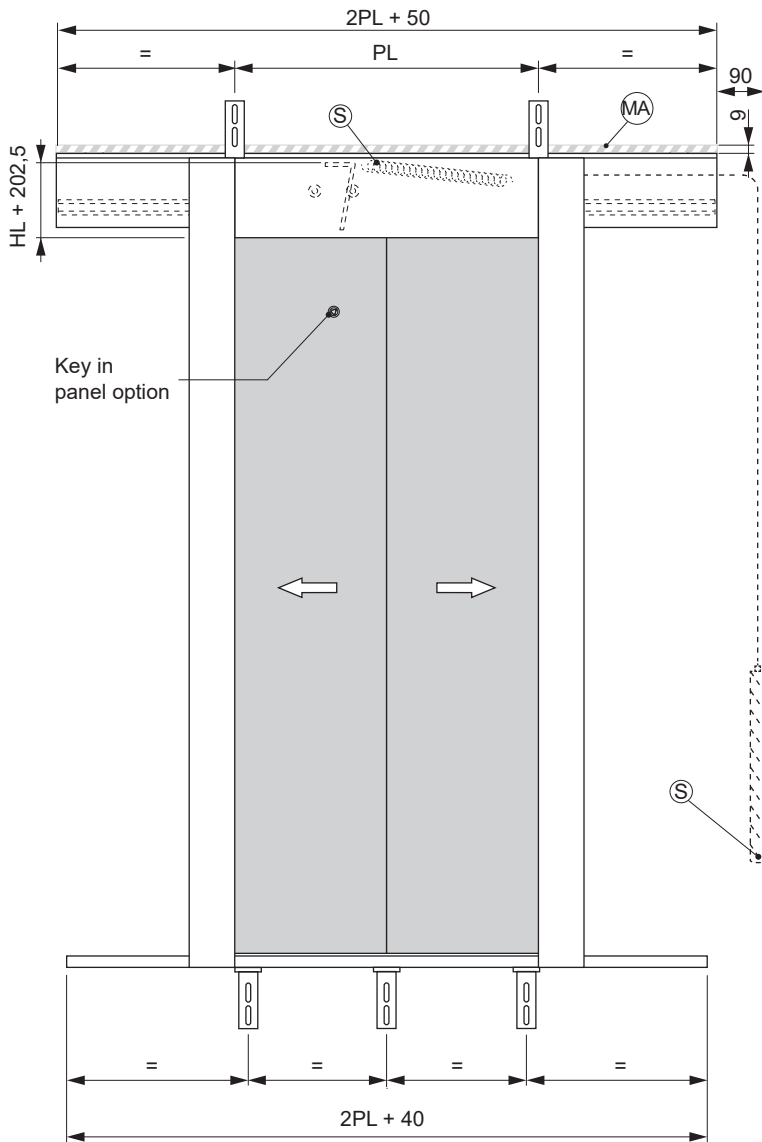
LOWER FASTENING BRACKET QUANTITY⁽⁷⁾

Opening	PL									
	600	900	1.200	1.500	1.650	1.950	2.000	2.050	2.400	2.600
C2										
C4									8	9
C6										
T1	3	4	5							
T2					6		7			
T3									8	9

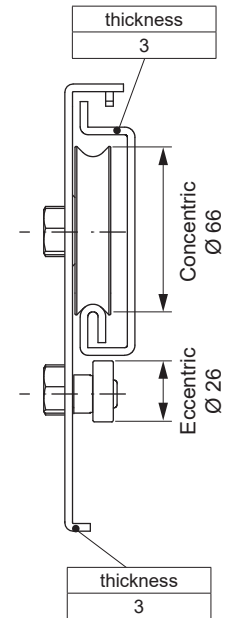
⁷ With Infill Panel: C2/C4/C6 +2, T1/T2/T3 +1

Technical drawing 2 panel centre parting door

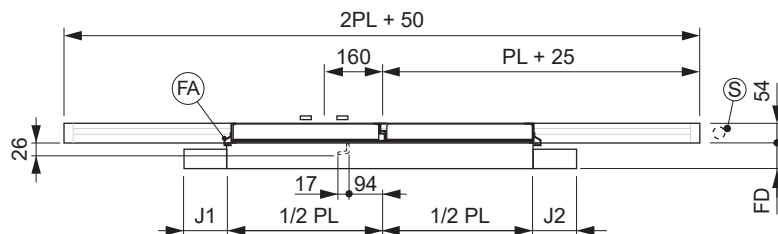
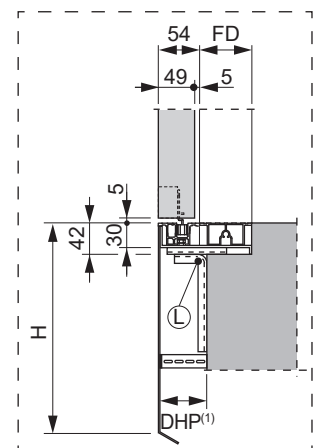
54 mm sill



MECHANICAL DETAILS



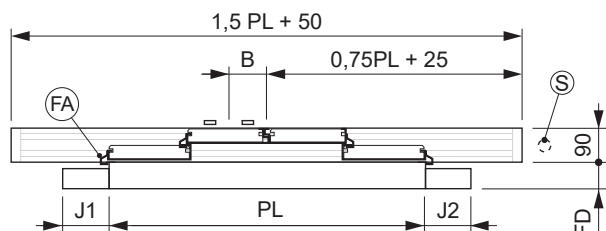
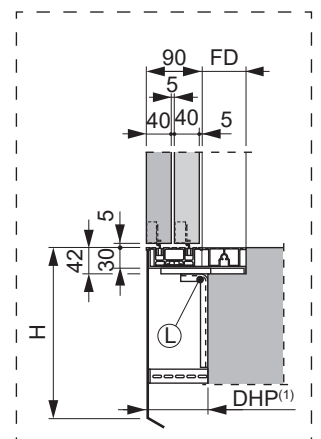
SILL DETAIL



Notes:

- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is $1/2 PL + 39$.
- U Upper bracket.
- L Lower bracket.
- S Safety closing system: Counterweight and Spring.

90 mm sill
Single coupling system (PL 900 - 1.150)



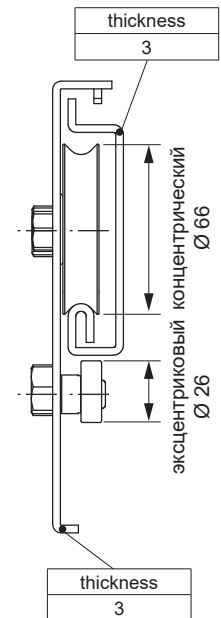
PL	900	950	1000	1050	1100	1150
*G	12,5	57	45	32	20	7
B	100	160				

*In open position

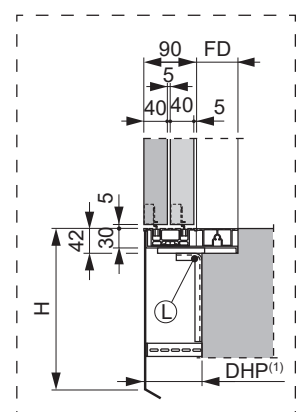
*In open position

1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
MA Mechanism hardware area.
FA If fire angle exists, it protrudes 19 mm from the panel so
the total width of the panel is 1/4 PL + 39.
U Upper bracket.
L Lower bracket.
S Safety closing system: Spring.

90 mm sill
Double coupling system (PL 1.200 - 2.800)



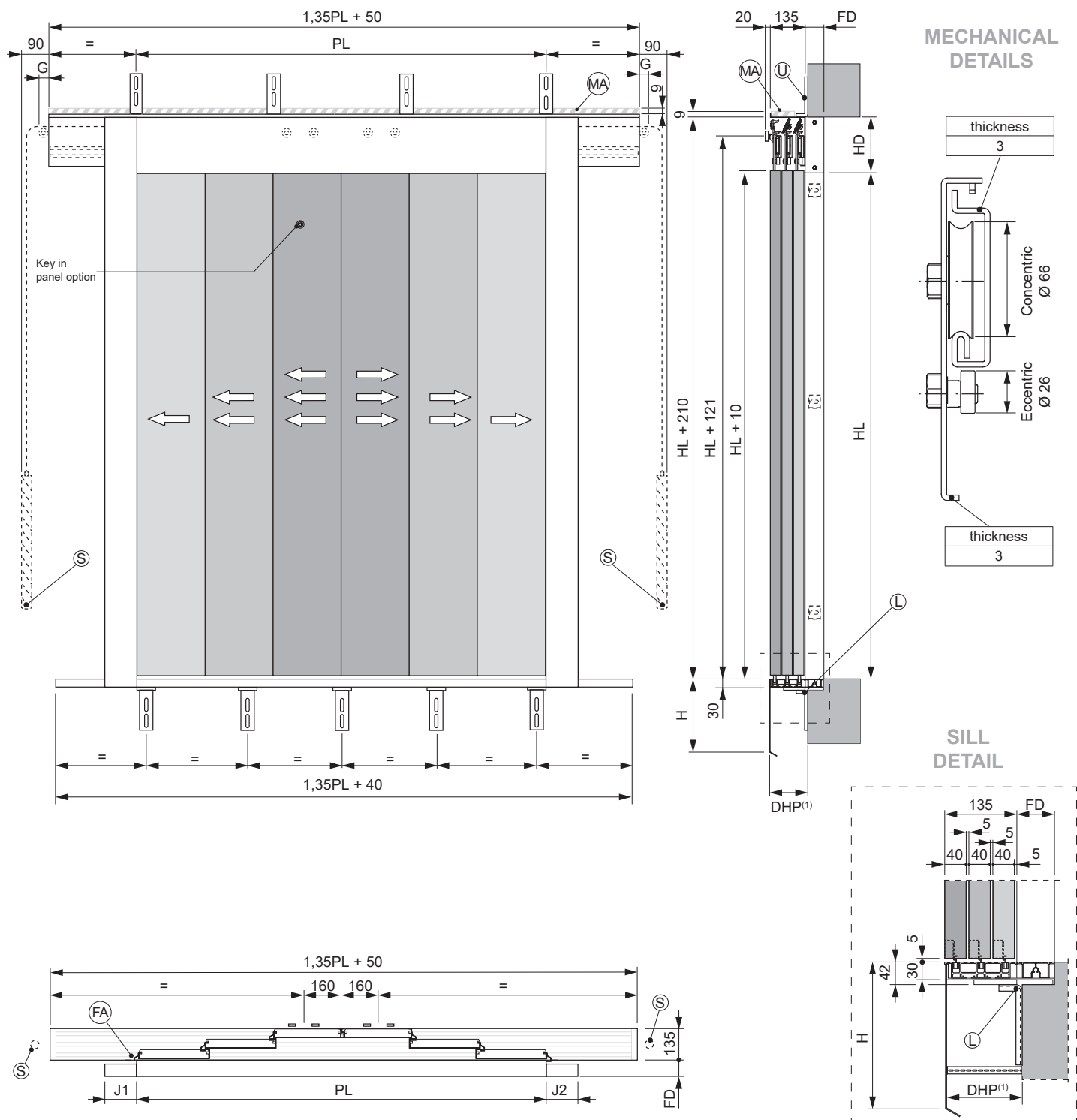
SILL DETAIL



- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is $1/4 \text{ PL} + 39$.
- U Upper bracket.
- L Lower bracket.
- S Safety closing system: Counterweight and Spring.

Technical drawing 6 panel centre parting door

135 mm sill



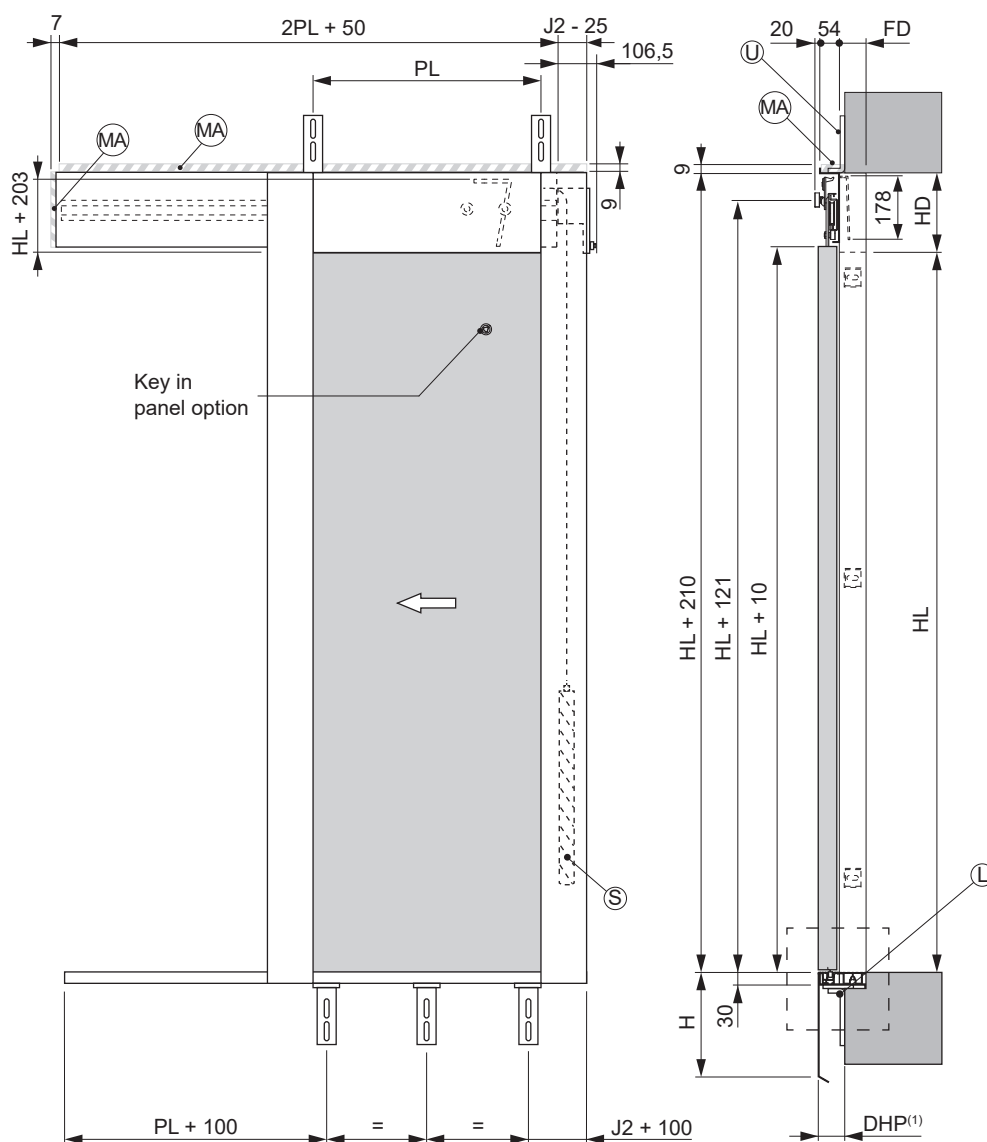
PL	1600	1650	> 1650
G	20	0	0
In open position			

Notes:

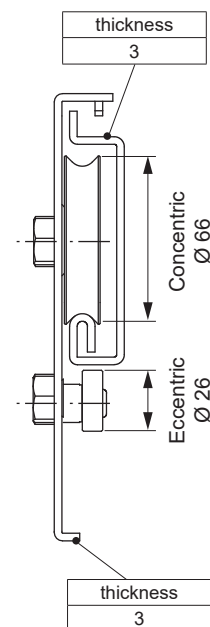
- See DHP details in technical features page.
 - If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is 1/6 PL + 39.
U Upper bracket.
L Lower bracket.
S Safety closing system: Counterweight.

Technical drawing 1 panel side opening door

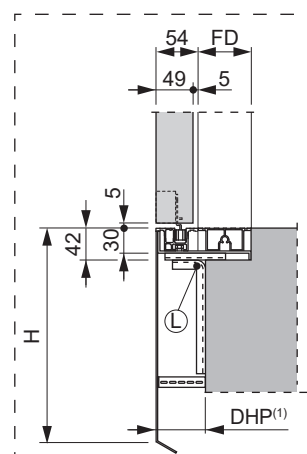
54 mm sill



MECHANICAL DETAILS



SILL DETAIL

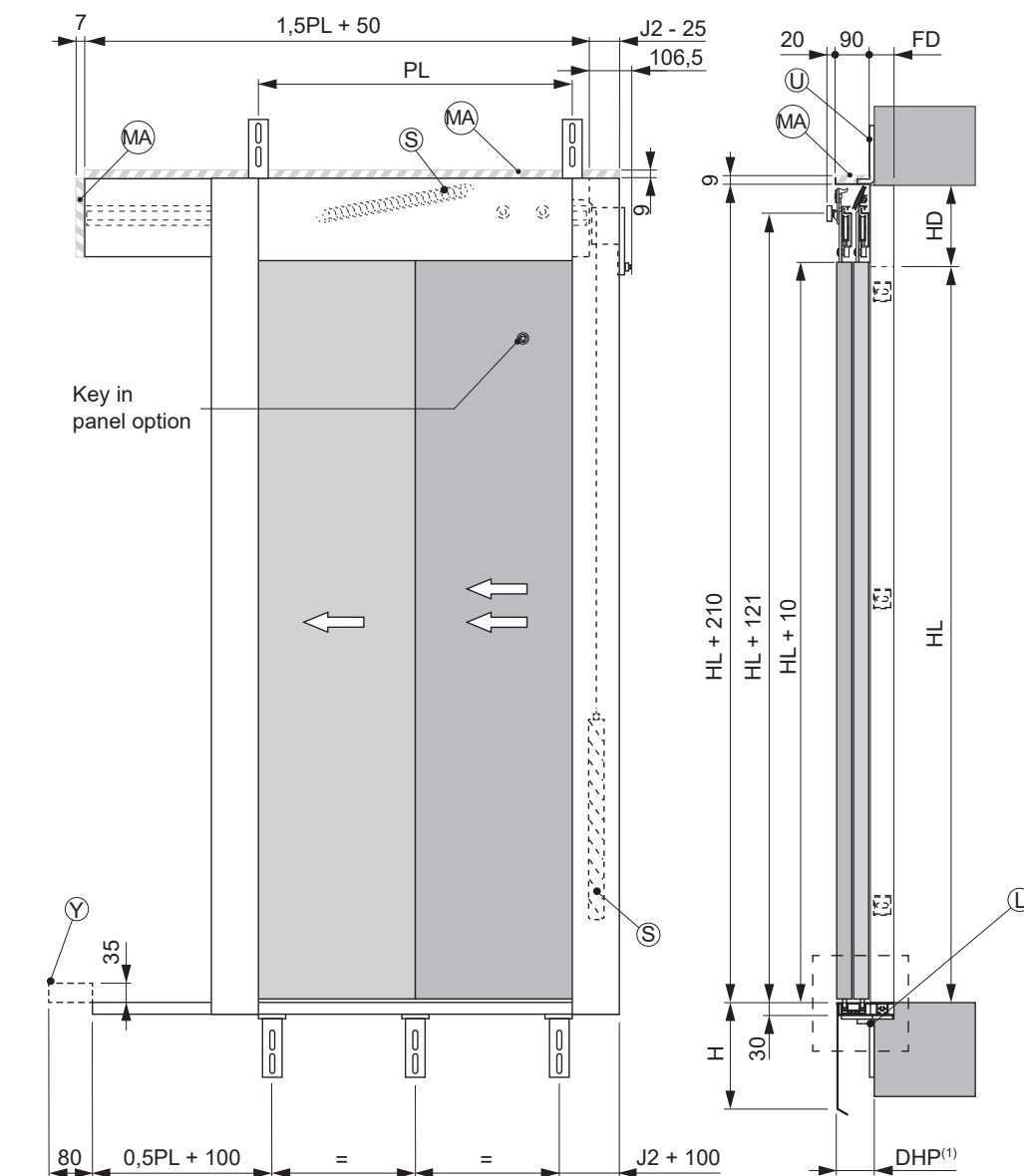


Notes:

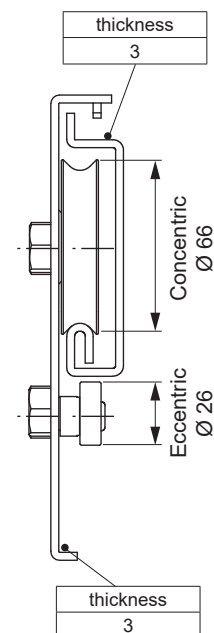
- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is PL + 39.
- U Upper bracket.
- L Lower bracket.
- S Safety closing system: Counterweight.

Technical drawing 2 panel side opening door

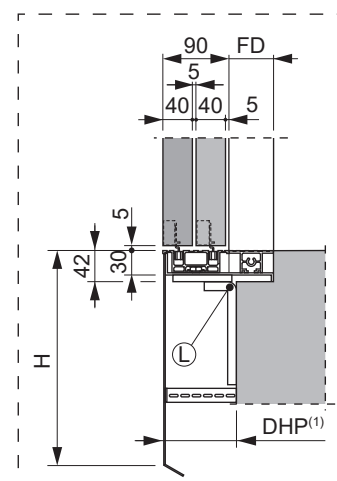
90 mm sill



MECHANICAL DETAILS



SILL DETAIL

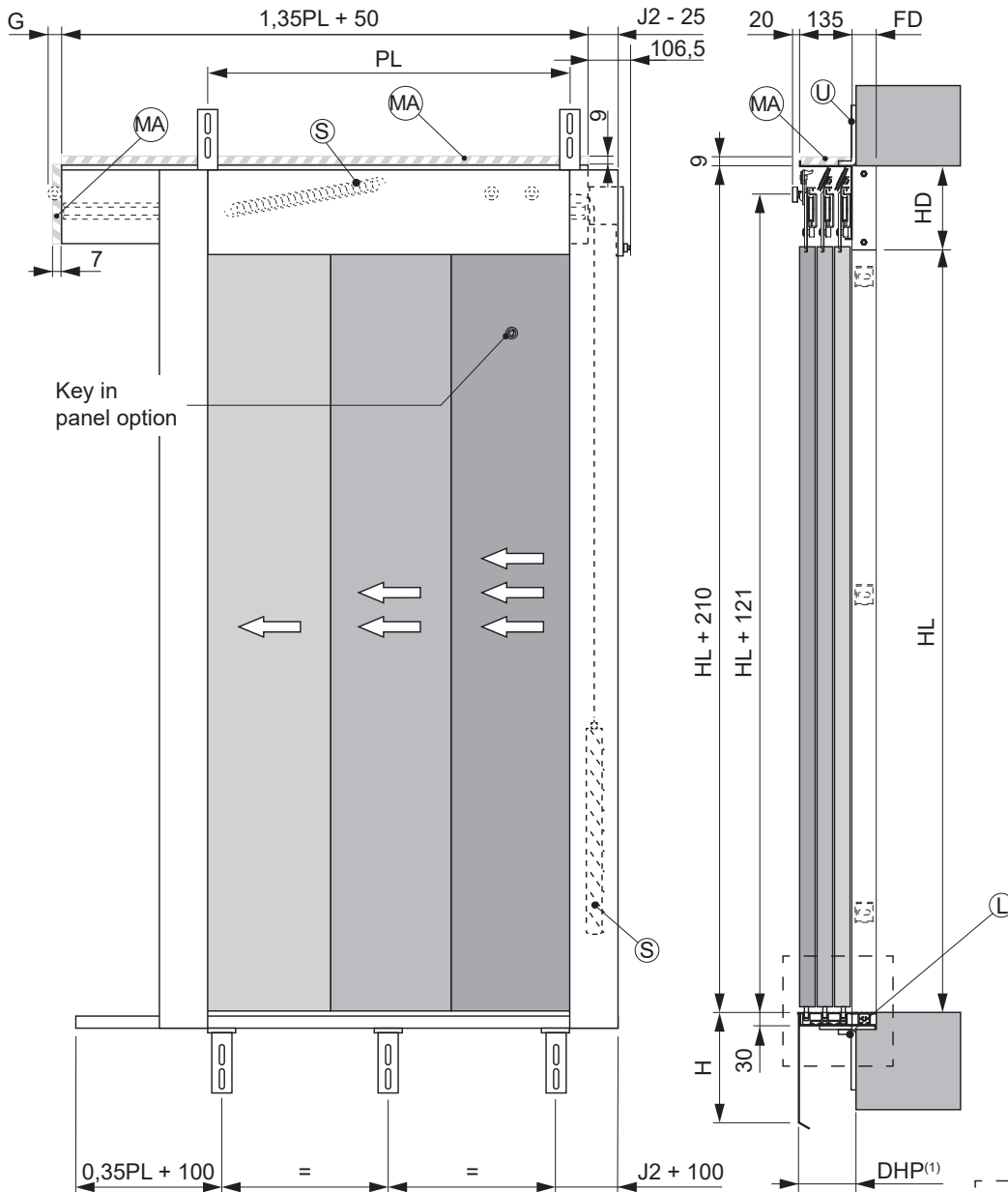


Notes:

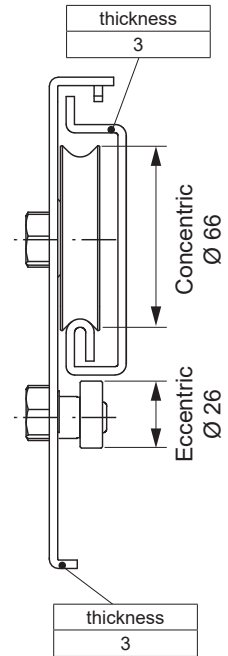
- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is $1/2 PL + 39$.
- U Upper bracket.
- L Lower bracket.
- S Safety closing system: Counterweight and Spring.

Technical drawing 3 panel side opening door

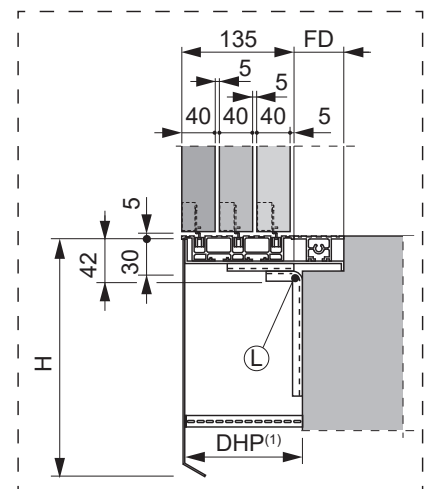
135 mm sill



MECHANICAL DETAILS



SILL DETAIL



Notes:

- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is $1/3 PL + 39$.
- U Upper bracket.
- L Lower bracket.
- S Safety closing system: Counterweight and Spring.

PL	700	750	> 750
G	40	25	0

In open position



Sales contacts

General

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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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